

# Product Datasheet

## PTP1B/PTPN1 Knockout HeLa Cell Lysate NBP2-64957

Unit Size: 2 Vials

Store at -20C short term. Aliquot and store at -80C long term. Avoid freeze-thaw cycles.

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**NBP2-64957****PTP1B/PTPN1 Knockout HeLa Cell Lysate**

| <b>Product Information</b>         |                                                                                                                                                                                                                                                               |
|------------------------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>Unit Size</b>                   | 2 Vials                                                                                                                                                                                                                                                       |
| <b>Concentration</b>               | Lyoph                                                                                                                                                                                                                                                         |
| <b>Storage</b>                     | Store at -20C short term. Aliquot and store at -80C long term. Avoid freeze-thaw cycles.                                                                                                                                                                      |
| <b>Reconstitution Instructions</b> | To use as WB negative control, spin down briefly and resuspend in 100 uL 1xSDS sample buffer (2% SDS, 60 mM Tris-HCl pH 6.8, 10% Glycerol, 0.02% Bromophenol blue, 60 mM beta-mercaptoethanol). Boil the lysate for 3 - 5 minutes before loading it onto gel. |
| <b>Buffer</b>                      | 0.1 mg cell homogenate lyophilized in RIPA buffer made with double-knockout cell lines.                                                                                                                                                                       |

| <b>Product Description</b> |                                                                                                                                                                                                                                                                                                                                        |
|----------------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>Gene ID</b>             | 5770                                                                                                                                                                                                                                                                                                                                   |
| <b>Gene Symbol</b>         | PTPN1                                                                                                                                                                                                                                                                                                                                  |
| <b>Species</b>             | Human                                                                                                                                                                                                                                                                                                                                  |
| <b>Preparation Method</b>  | Knockout achieved by using CRISPR/Cas9, 1 bp deletion in exon 4 and 1 bp insertion in exon 4 and Insertion of the selection cassette in exon 4                                                                                                                                                                                         |
| <b>Notes</b>               | Powered by EDIGENE.<br>Validation of antibody specificity is critical and verification of antibody performance against knockout samples is one way to guarantee that an antibody recognizes a specific target. Novus' KO cell lysate can be used as a negative control for western blots and to confirm the specificity of antibodies. |
| <b>Lysate Type</b>         | Knockout HeLa Cell                                                                                                                                                                                                                                                                                                                     |

| <b>Product Application Details</b> |                                                                                                                                                                                                                                     |
|------------------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>Applications</b>                | Western Blot                                                                                                                                                                                                                        |
| <b>Recommended Dilutions</b>       | Western Blot                                                                                                                                                                                                                        |
| <b>Application Notes</b>           | You will receive 1 vial (100ug) of knockout cell lysate and 1 vial (100ug) of Parental cell lysate. Lysate can be diluted with 1X SDS sample buffer and will be stable at -20 degrees C for 12 months. Minimize freeze-thaw cycles. |





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### **Limitations**

This product is for research use only and is not approved for use in humans or in clinical diagnosis. Lysates are guaranteed for 6 months from date of receipt.

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