# Product Datasheet

## Hep2 Whole Cell Lysate
## NB800-PC7-500ug

Unit Size: 500 ug

Store at -70C. Avoid freeze-thaw cycles.

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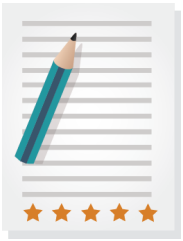
Updated 10/23/2024 v.20.1





# NB800-PC7-500ug

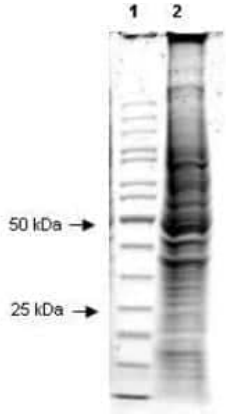
Hep2 Whole Cell Lysate

| Product Information | |
|---|---|
| **Unit Size** | 500 ug |
| **Concentration** | Please contact technical services for concentration. |
| **Storage** | Store at -70C. Avoid freeze-thaw cycles. |
| **Preservative** | No Preservative |
| **Purity** | Multi-step |
| **Buffer** | 1X SDS-PAGE Sample Buffer (62.5 mM Tris HCl, 2% SDS, 10% Glycerol and 0.005% bromophenol blue, pH 6.8) 10% (v/v) Glycerol |

| Product Description | |
|---|---|
| **Description** | Store vial at -70C or COLDER. For extended storage, aliquot contents to minimize freeze/thaw cycles. |
| **Species** | Human |
| **Preparation Method** | Hep2 cells were grown in Dulbecco's medium supplemented with 10% fetal bovine serum. Cells were washed with PBS and then incubated on ice in modified RIPA buffer, containing 150 mM sodium chloride, 50 mM Tris HCl, pH 7.4, 1 mM EDTA, 1.0% NP-40, 0.5% sodium deoxycholic acid , 0.1% SDS and 0.01% (w/v) sodium azide to lyse the cells. Protein integrity was ensured using a cocktail of protease inhibitors with broad specificity for the inhibition of aspartic, cysteine, and serine proteases as well as aminopeptidases (0.1 mM AEBSF HCl, 0.08 uM Aprotinin, 5 uM Bestatin, 1.5 uM E-64, 2 uM Leupeptin Hemisulfate, 1 uM Pepstatin A). Phosphatase inhibitors 1 mM NaF and 1 mM Na3VO4 were also added. Cell debris was removed by centrifugation. Protein concentration was determined by a modified Lowry assay using a commercially available kit. Protein concentration was adjusted to 2 mg/ml and then an equal volume of 2X SDS-PAGE sample buffer was added. |
| **Lysate Type** | Cell |
| **Lysate Subcellular Fraction** | Whole |

| Product Application Details | |
|---|---|
| **Applications** | Western Blot, SDS-Page |
| **Recommended Dilutions** | Western Blot, SDS-Page |
| **Application Notes** | This product has been tested by SDS-PAGE. Ready-to-use lysates are especially prepared as positive controls for separation by SDS-PAGE and subsequent western blot analysis. Lysates are prepared in denaturing buffer WITHOUT dissociating agents (i.e. no 2-mercaptoethanol or dithiothreitol has been added). Heat lysate to 95C for 5 minutes and rapidly cool. If dissociating conditions are desired, add reducing agent prior to heating. The recommended loading volume per lane is 10-20 ul depending on the size format of your gel. |

## Images

| | |
|---|---|
| SDS-Page: Hep2 Whole Cell Lysate [NB800-PC7] - Coomassie stained SDS-PAGE of 20 ul of Human Derived (Ready-to-Use) separated in a 4-20% gradient gel under reducing conditions (lane 2). Molecular weight standards are shown in lane 1. |  |

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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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