

# Product Datasheet

## Recombinant Human Transferrin Protein NBP1-46259-25ug

Unit Size: 25 ug

Store at -80C. Avoid freeze-thaw cycles.

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**NBP1-46259-25ug****Recombinant Human Transferrin Protein**

<b>Product Information</b>	
<b>Unit Size</b>	25 ug
<b>Concentration</b>	Lyoph
<b>Storage</b>	Store at -80C. Avoid freeze-thaw cycles.
<b>Reconstitution Instructions</b>	Reconstitute with 0.5 ml sterilized PBS. After reconstitution the buffer solution will contain 1% human serum albumin and 10% trehalose already present in the vial.
<b>Product Description</b>	
<b>Description</b>	A biologically active protein to TF.
<b>Gene ID</b>	7018
<b>Gene Symbol</b>	TF
<b>Species</b>	Human
<b>Reactivity Notes</b>	This is a Human protein
<b>Specificity/Sensitivity</b>	Under reducing conditions Transferrin HCX migrates as a broad band between 70 and 80 kDa in SDS-PAGE due to post-translational modifications, in particular glycosylation. This compares with unmodified Transferrin that has a predicted monomeric molecular mass of 75.2 kDa.
<b>Preparation Method</b>	A DNA sequence encoding the human Transferrin protein sequence (containing the signal peptide sequence, and the mature Transferrin sequence) was expressed in modified human 293 cells.
<b>Details of Functionality</b>	The activity of Transferrin HCX was measured by its ability to support the growth of HepG2 cells under conditions of reduced serum. Typically 0.1 to 1 ug enhances cell proliferation.
<b>Product Application Details</b>	
<b>Applications</b>	Western Blot, Functional, Block/Neutralize
<b>Recommended Dilutions</b>	Western Blot, Functional, Block/Neutralize
<b>Application Notes</b>	This protein is functionally active and can be used for Blocking and Neutralizing. It can also be used for Western Blot. Transferrin HCX separates into a number of isoforms with a pI between 6.0 and 8.0 in 2D PAGE due to post-translational modifications, in particular glycosylation. This compares with the unmodified Transferrin that has a predicted pI of 6.8.



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### **Limitations**

This product is for research use only and is not approved for use in humans or in clinical diagnosis. Peptides and proteins are guaranteed for 2 years from date of receipt.

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