

Product Datasheet

Recombinant Human Thrombopoietin/THPO Protein NBP1-46253-2ug

Unit Size: 2 ug

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

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NBP1-46253-2ug

Recombinant Human Thrombopoietin/THPO Protein

Product Information	
Unit Size	2 ug
Concentration	Lyoph
Storage	Store at -80C. Avoid freeze-thaw cycles.
Reconstitution Instructions	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.
Product Description	
Description	A biologically active protein to THPO.
Gene ID	7066
Gene Symbol	THPO
Species	Human
Reactivity Notes	This is a Human protein
Specificity/Sensitivity	Thrombopoietin HCX migrates as a broad band between 75 and 100 kDa in SDS-PAGE due to post-translation modifications, in particular glycosylation. This compares with unmodified Thrombopoietin that has a predicted molecular mass of 35.5 kDa. Thrombopoietin HCX contains N- and O-linked oligosaccharides.
Preparation Method	A DNA sequence encoding the human Thrombopoietin (TPO) protein sequence (containing the signal peptide sequence, and the mature TPO sequence) was expressed in modified human 293 cells.
Details of Functionality	The ED50 of TPO is typically 2.5 to 10 ng/ml as measured in a cell proliferation assay using the human growth factor dependent TF-1 cell line.
Product Application Details	
Applications	Western Blot, Functional, Block/Neutralize
Recommended Dilutions	Western Blot, Functional, Block/Neutralize
Application Notes	This protein is functionally active and can be used for Blocking and Neutralizing. It can also be used for Western Blot. Thrombopoietin HCX separates into a number of isoforms with a pI less than 5.0 in 2D PAGE due to post-translational modifications, in particular glycosylation. This compares with the unmodified Thrombopoietin that has a predicted pI of 9.69.



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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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