

Product Datasheet

Recombinant Human CD40/TNFRSF5 Protein NBP1-46078

Unit Size: 0.025 mg

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

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NBP1-46078

Recombinant Human CD40/TNFRSF5 Protein

Product Information	
Unit Size	0.025 mg
Concentration	Lyoph
Storage	Store at -80C. Avoid freeze-thaw cycles.
Reconstitution Instructions	Reconstitute with 0.5 ml sterilized PBS containing 1% human serum albumin and 10% trehalose.
Product Description	
Description	<p>A biologically active protein corresponding to 173 residues of CD40.</p> <p>Amino Acid Sequence: EPPTACREKQYLINSQCCSLCQPGQKLVSDCTEFTETECLPCGESEFLDTWNR ETHCHQHKEYCDPNLGLRVQQKGTSETDTICTCEEGWHCTSEACESCVLHRSC SPGFGVKQIATGVSDTICEPCPVGFFSNVSSAFEKCHPWTSCETKDLVVQQAG TNKTDVVCGRSSNTKVDKKVEPKSCDKTHTCPPCPAPELLGGPSVFLFPPKPK DTLMISRTPEVTCVVVDVSHEDPEVKFNWYVDGVEVHNAKTKPREEQYNSTY RVVSVLTVLHQDWLNGKEYKCKVSNKALPAPIEKTISKAKGQPREPQVYTLPPS RDELTKNQVSLTCLVKGFYPSDIAVEWESNGQPENNYKTTTPVLDSGDGSFFLY SKLTVDKSRWQQGNVFCSSVMHEALHNHYTQKSLSLSPGK</p>
Gene ID	958
Gene Symbol	CD40
Species	Human
Preparation Method	A DNA sequence encoding the signal peptide and extracellular domain of human CD40 (aa 1-193) was fused to the Fc region of human IgG1 (aa 90-330). The chimeric protein was expressed in modified human 293 cells.
Details of Functionality	The ED50 of CD40 (173aa) Fc HCX Chimera is typically 1.0-1.5 ug/ml as measured by its ability to neutralize CD40 ligand mediated proliferation of T47-D cells.
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. CD40 (173aa) - Fc HCX Chimera separates into a number of glycoforms with an observed pI between 5.5 and 9.0 in 2D PAGE due to post-translational modifications, in particular glycosylation. This compares with the unmodified CD40 (173aa) - Fc Chimera that has a predicted pI of 6.0. CD40 (173aa) - Fc HCX Chimera contains N-linked oligosaccharides and may contain O-linked oligosaccharides. Under reducing conditions Symansis CD40 (173aa) - Fc HCX Chimera migrates as a broad band between 50 and 65 kDa on SDS-PAGE due to post-translational modifications, in particular glycosylation. This compares with unmodified CD40 (173aa) - Fc Chimera that has a predicted monomeric molecular mass of 46.5 kDa.



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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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