Active Recombinant Human ANGPTL2 Protein, His-tagged

Cat. No. ANGPTL2-26H **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant Human ANGPTL2 Protein (Gln23-His493) with a C-terminal 9-His tag was expressed in Mouse myeloma cell line.
Species	Human
Source	Mouse myeloma cell
ProteinLength	23-493
Description	Angiopoietins are members of the vascular endothelial growth factor family and the only known growth factors largely specific for vascular endothelium. Angiopoietin-1, angiopoietin-2, and angiopoietin-4 participate in the formation of blood vessels. ANGPTL2 protein is a secreted glycoprotein with homology to the angiopoietins and may exert a function on endothelial cells through autocrine or paracrine action.
Bio-activity	Measured by its binding ability in a functional ELISA. When Recombinant Angiopoietin-like Protein 2/ANGPTL2 is coated at 2 μg/mL, Recombinant Human LILRB2/CD85d/ILT4 Fc Chimera binds with an ED50 of 0.02-0.12 μg/mL Measured by its ability to promote the expansion of E16 rat liver mononuclear cells in vitro, in the presence of Recombinant Mouse SCF/c-kit Ligand, Recombinant Mouse Thrombopoietin/Tpo, and Recombinant Mouse Flt-3 Ligand. The ED50 for this effect is 0.3-1.8 μg/mL.
Molecular Mass	56 kDa

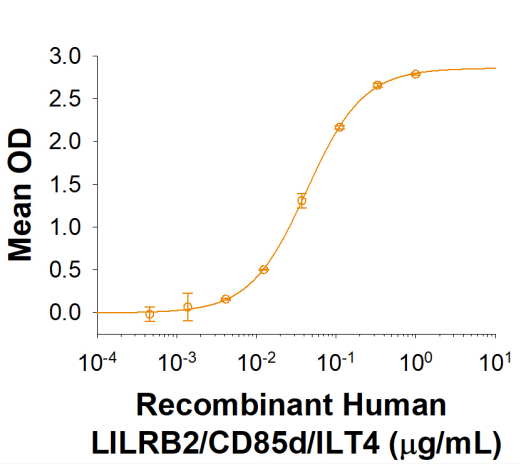
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Endotoxin	< 0.10 EU/μg of the protein by the LAL method.
Purity	> 75%, by SDS-PAGE visualized with Silver Staining and quantitative densitometry by Coomassie® Blue Staining.
Storage	Use a manual defrost freezer and avoid repeated freeze-thaw cycles. 12 months from date of receipt, -20 to -70 centigrade as supplied. 1 month, 2 to 8 centigrade under sterile conditions after reconstitution. 3 months, -20 to -70 centigrade under sterile conditions after reconstitution.
Storage Buffer	Lyophilized from a 0.2 μm filtered solution in Tris, NaCl and CHAPS with Trehalose.
Reconstitution	Reconstitute at 200 μg/mL in water.
Shipping	The product is shipped at ambient temperature.

GENE INFORMATION

Gene Name	ANGPTL2 angiopoietin like 2 [Homo sapiens (human)]
Official Symbol	ANGPTL2
Synonyms	ANGPTL2; angiopoietin like 2; ARP2; HARP; angiopoietin-related protein 2; angiopoietin-like protein 2
Gene ID	23452
mRNA Refseq	NM_012098
Protein Refseq	NP_036230

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MIM	605001
UniProt ID	Q9UKU9
Binding Activity	 When Recombinant Angiopoietin-like Protein 2/ANGPTL2 is coated at 2 μg/mL, Recombinant Human LILRB2/CD85d/ILT4 Fc Chimera binds with an ED50 of 0.02-0.12 μg/mL.

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