

Active Recombinant Human ANGPTL2 Protein, His tagged

Cat. No. ANGPTL2-13H Lot. No. (See product label)

SPECIFICATION

Product Overview	Active Recombinant Human ANGPTL2 Protein (Thr260-His493) with a C-terminal 6-His tag was expressed in Chinese Hamster Ovary cell line.
Species	Human
Source	CHO
ProteinLength	260-493 aa
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 Human Angiopoietin-like Protein 2/ANGPTL2 is immobilized at 1 µg/mL, 100 µL/well, the concentration of Recombinant Human LILRB2/CD85d/ILT4 Fc Chimera Recombinant Human ILT4/CD85d Fc Chimera that produces 50% of the optimal binding response is 6-48 ng/mL.
N-terminal Sequence Analysis	Thr260
Molecular Mass	28 kDa

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Endotoxin	< 0.1 EU/μg of the protein by the LAL method.
Purity	> 95%, 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 PBS.
Reconstitution	Reconstitute at 500 μg/mL in PBS.
Shipping	The product is shipped at ambient temperature.
Reference	1. Kim, I. et al. (1999) J Biol Chem 274:26523. 2. Santulli, G. et al. (2014) Front Endocrinol 5:4. 3. Tabata, M. et al. (2009) Cell Metab 10:178.

GENE INFORMATION

Gene Name	ANGPTL2 angiotensin-like 2 [Homo sapiens (human)]
Official Symbol	ANGPTL2
Synonyms	ANGPTL2; angiotensin-like 2; angiotensin-related protein 2; ARP2; HARP; angiotensin-like protein 2; MGC8889
Gene ID	23452
mRNA Refseq	NM_012098

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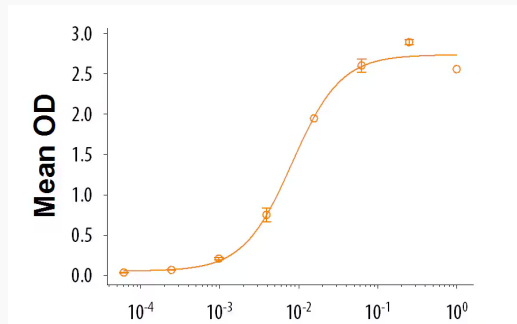
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Protein Refseq NP_036230

MIM 605001

UniProt ID Q9UKU9

Binding Activity



When Recombinant Human Angiopoietin-like Protein 2/ANGPTL2 is immobilized at 1 $\mu\text{g/mL}$, 100 $\mu\text{L/well}$, Recombinant Human ILT4/CD85d Fc Chimera binds with an ED50 of 6-48 ng/mL.

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