Recombinant Mouse Angpt2, FLAG-tagged

Cat. No. Angpt2-88M **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Mouse angiopoietin-2 (aa 19-496) is fused at the N-terminus to a FLAG-tag.
Species	Mouse
Source	HEK293
ProteinLength	19-496 a.a.
Description	Angiopoietin-1 (Ang-1) and Angiopoietin-2 (Ang-2) are closely related secreted ligands which bind with similar affinity to Tie-2. Tie-2 and angiopoietins have been shown to play critical roles in embryogenic angiogenesis and in maintaining the integrity of the adult vasculature. Ang-1 activates Tie-2 signaling on endothelial cells to promote chemotaxis, cell survival, cell sprouting, vessel growth and stabilization. Ang-2 has been identified as a secreted protein ligand of Tie-2 and has alternatively been reported to be an antagonist for Ang-1 induced Tie-2 signaling as well as an agonist for Tie-2 signaling, depending on the cell context.
Form	Lyophilized. Contains PBS with trehalose and Brij35.
Molecular Mass	~70kDa (SDS-PAGE)
Purity	≥95% (SDS-PAGE)
Stability	Stable for at least 6 months after receipt when stored at -20°C.

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Storage	Short Term Storage: +4°C; Long Term Storage: -20°C. After reconstitution, prepare aliquots and store at -20°C. Avoid freeze/thaw cycles. PBS containing at least 0.1% BSA should be used for further dilutions.
Concentration	0.1 mg /ml after reconstitution.

GENE INFORMATION

Gene Name	Angpt2 angiopoietin 2 [Mus musculus]
Official Symbol	Angpt2
Synonyms	ANGPT2; angiopoietin 2; angiopoietin-2; Ang2; Agpt2; Ang-2;
Gene ID	11601
mRNA Refseq	NM_007426
Protein Refseq	NP_031452
Pathway	Cell surface interactions at the vascular wall, organism-specific biosystem; Hemostasis, organism-specific biosystem; Tie2 Signaling, organism-specific biosystem;
Function	metal ion binding; protein binding; receptor binding; receptor tyrosine kinase binding; vascular endothelial growth factor receptor binding;

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