

Active Recombinant Rat ANGPT2 protein, His-tagged

Cat. No. ANGPT2-669R **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant Rat ANGPT2 protein(Lys 275 - Phe 496), fused with His tag, was expressed in HEK293.
Species	Rat
Source	HEK293
ProteinLength	Lys 275 - Phe 496
Form	Lyophilized from 0.22 µm filtered solution in 20 mM MOPS, 150 mM NaCl, 5 mM CHAPS, pH7.5. Normally trehalose is added as protectant before lyophilization.
Bio-activity	Immobilized Rat Angiopoietin-2, His Tag at 2 µg/mL (100 µL/well) can bind Human TIE2, Fc Tag with a linear range of 0.039-0.313 µg/mL.
Molecular Mass	This protein carries a polyhistidine tag at the N-terminus.The protein has a calculated MW of 27.1 kDa. The protein migrates as 28-32 kDa under reducing (R) condition (SDS-PAGE) due to glycosylation.
Endotoxin	Less than 1.0 EU per µg by the LAL method.
Purity	>95% as determined by SDS-PAGE.>90% as determined by SEC-MALS.
Storage	For long term storage, the product should be stored at lyophilized state at -20°C or lower.Please avoid repeated freeze-thaw cycles. This product is stable after storage

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at: -20°C to -70°C for 12 months in lyophilized state; -70°C for 3 months under sterile conditions after reconstitution.

Reconstitution

It is recommended that sterile water be added to the vial to prepare a stock solution of 0.2 ug/ul. Centrifuge the vial at 4°C before opening to recover the entire contents.

GENE INFORMATION

Gene Name	Angpt2 angiopoietin 2 [Rattus norvegicus]
Official Symbol	ANGPT2
Synonyms	ANGPT2; angiopoietin 2; angiopoietin-2; Agpt2; Ang-2;
Gene ID	89805
mRNA Refseq	NM_134454
Protein Refseq	NP_604449

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