

Recombinant Rat Angpt1 protein, His-tagged

Cat. No. Angpt1-539R **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant rat Angpt1 protein with a N-terminal 6xHis tag was expressed in Yeast.
Species	Rat
Source	Yeast
Description	Binds and activates TIE2 receptor by inducing its tyrosine phosphorylation. Implicated in endothelial developmental processes later and distinct from that of VEGF. Appears to play a crucial role in mediating reciprocal interactions between the endothelium and surrounding matrix and mesenchyme. Mediates blood vessel maturation/stability. It may play an important role in the heart early development.
Molecular Mass	57.4kDa
AA Sequence	SNQRRSPENGGRRYNRIQHGGQAYTFILPEHDGNCRESATEQYNTNALQRDAPHV ETDFSSQKLQHLEHVMENYTQWLQKLENYIVENMKSEMAQIQQNAVQNHTATMLEI GTSLLSQTAEQTRKLTDVETQVLNQTSRLEIQLLNSLSTYELEKQLLQQTNEILKIQE KNSLLEHKILEMEGKHKEELDTLKEEKENLQGLVTRQTFIIQELEKQLSRATSNNSVL QKQQLELMDTVHNLVSLCTKEVLLKGGKREEEKPFPRDCADVYQAGFNKSGIYTIYFN NMPEPKKVFCNMDVNEGGWTVIQHREDGSLDFQRGWKEYKMGFGNPSGEYWLG NEFIFAITSQRQYMLRIELMDWEGNRAYSQYDRFHIGNQKQNYRLYLKGHTGTAGK QSSLILHGADFSTKDADNDNCMCKCALMLTGGWWFDACGPSNLNGMFYTAGQNH GKLNIGIKWHYFKGPSYSLRSTTMMIRPLDF
Purity	Greater than 90% as determined by SDS-PAGE.

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Stability	Repeated freezing and thawing is not recommended. Store working aliquots at 4 centigrade for up to one week.
Storage	The shelf life is related to many factors, storage state, buffer ingredients, storage temperature and the stability of the protein itself. Generally, the shelf life of liquid form is 6 months at -20 centigrade/-80 centigrade. The shelf life of lyophilized form is 12 months at -20 centigrade/-80 centigrade.
Storage Buffer	Tris-based buffer, 50% glycerol

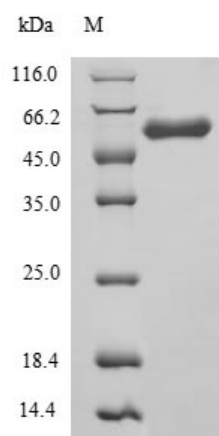
GENE INFORMATION

Gene Name	Angpt1 angiopoietin 1 [Rattus norvegicus (Norway rat)]
Official Symbol	Angpt1
Synonyms	Angpt1; angiopoietin 1; Agpt; Agpt1; Ang-1; angiopoietin-1
Gene ID	89807
mRNA Refseq	NM_053546
Protein Refseq	NP_445998
UniProt ID	O35460

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(Tris-Glycine gel) Discontinuous SDS-PAGE (reduced) with 5% enrichment gel and 15% separation gel.

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