

## Recombinant Rat Angpt1 protein, His-tagged

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

### SPECIFICATION

<b>Product Overview</b>	Recombinant rat Angpt1 protein with a N-terminal 6xHis tag was expressed in Yeast.
<b>Species</b>	Rat
<b>Source</b>	Yeast
<b>Description</b>	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.
<b>Molecular Mass</b>	57.4kDa
<b>AA Sequence</b>	SNQRRSPENGGRRYNRIQHGGCAYTFILPEHDGNCRESATEQYNTNALQRDAPHV ETDFSSQKLQHLEHVMENYTQWLQKLENYIVENMKSEMAQIQQNAVQNHTATMLEI GTSLLSQTAEQTRKLTDVETQVLNQTSRLEIQLLNSLSTYELEKQLLQQTNEILKIQE KNSLLEHKILEMEGKHKEELDTLKEEKENLQGLVTRQTFIIQELEKQLSRATSNNSVL QKQQLELMDTVHNLVSLCTKEVLLKGGKREEEKPFDRCADVYQAGFNKSGIYTIYFN NMPEPKVFCNMDVNEGGWTVIQHREDGSLDFQRGWKEYKMGFGNPSGEYWLG NEFIFAITSQRQYMLRIELMDWEGNRAYSQYDRFHIGNQKQNYRLYLKGTGTAGK QSSLILHGADFSTKDADNDNCMCKCALMLTGGWWFDACGPSNLNGMFYTAGQNH GKLNIGIKWHYFKGPSYSLRSTTMMIRPLDF
<b>Purity</b>	Greater than 90% as determined by SDS-PAGE.

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<b>Stability</b>	Repeated freezing and thawing is not recommended. Store working aliquots at 4 centigrade for up to one week.
<b>Storage</b>	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.
<b>Storage Buffer</b>	Tris-based buffer, 50% glycerol

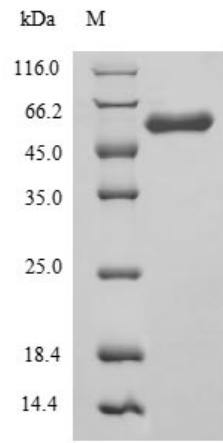
## GENE INFORMATION

<b>Gene Name</b>	<a href="#">Angpt1 angiopoietin 1 [ Rattus norvegicus (Norway rat) ]</a>
<b>Official Symbol</b>	<a href="#">Angpt1</a>
<b>Synonyms</b>	Angpt1; angiopoietin 1; Agpt; Agpt1; Ang-1; angiopoietin-1
<b>Gene ID</b>	<a href="#">89807</a>
<b>mRNA Refseq</b>	<a href="#">NM_053546</a>
<b>Protein Refseq</b>	<a href="#">NP_445998</a>
<b>UniProt ID</b>	<a href="#">O35460</a>

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

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