

## Recombinant rat Angiopoietin-1

Catalog No: #AP72424



Package Size: #AP72424-1 20ug #AP72424-2 100ug #AP72424-3 1mg

Orders: order@signalwayantibody.com

Support: tech@signalwayantibody.com

## Description

Product Name	Recombinant rat Angiopoietin-1
Brief Description	Recombinant Protein
Host Species	Yeast
Purification	Greater than 90% as determined by SDS-PAGE.
Immunogen Description	Expression Region:20-497aaSequence Info:Full Length
Accession No.	O35460
Uniprot	O35460
GeneID	89807;
Calculated MW	57.4 kDa
Tag Info	N-terminal 6xHis-tagged
Target Sequence	SNQRRSPENGGRRYNRIQHGGCAYTFILPEHDGNCRESATEQYNTNALQRDAPHVETDFSSQKLQHLEHVM ENYQWLQKLENYIVENMKSEMAQIQQNAVQNHTATMLEIGTSLLSQTAEQTRKLTQVETQVLNQTSLRLEIQLL ENSLSTYELEKQLLQQTNEILKIQEKNSLLEHKILEMEGKHKEELDTLKEEKENLQGLVTRQTFIIQELEKQLSRA TSNNSVLQKQQLLMDTVHNLVSLCTKEVLLKGGKREEEKPFRCADVYQAGFNKSGIYTIYFNNMPEPKKVF CNMDVNEGGWTVIQHREDGSLDFQRGWKEYKMGFGNPSGEYWLGNFIFAITSQRQYMLRIELMDWEGNR AYSQYDRFHIGNQKQNYRLYLKGHTGTAGKQSSILHGFADSTKADNDNDCMCKCALMLTGGWWFDACGPS NLNGMFYTAGQNHGKLNIGIKWHYFKGPSYSLRSTTMMIRPLDF
Formulation	Tris-based buffer50% glycerol
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°C,-80°C. The shelf life of lyophilized form is 12 months at -20°C,-80°C.Notes:Repeated freezing and thawing is not recommended. Store working aliquots at 4°C for up to one week.

## Background

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.

## References

Augmented expression of the tight junction protein occludin in brain endothelial cell line TR-bBB by rat angiopoietin-1 expressed in baculovirus-infected sf plus insect cells.lizasa H., Bae S.H., Asashima T., Kitano T., Matsunaga N., Terasaki T., Kang Y.S., Nakashima E.Pharm. Res. 19:1757-1760(2002)Research Topic:Others

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Note: This product is for in vitro research use only