

Recombinant Mus musculus Ephrin-B3

Catalog No: #AP72537



Package Size: #AP72537-1 20ug #AP72537-2 100ug #AP72537-3 1mg

Orders: order@signalwayantibody.com

Support: tech@signalwayantibody.com

Description

Product Name	Recombinant Mus musculus Ephrin-B3
Brief Description	Recombinant Protein
Host Species	Yeast
Purification	Greater than 90% as determined by SDS-PAGE.
Immunogen Description	Expression Region:28-227aaSequence Info:Extracellular Domain
Accession No.	O35393
Uniprot	O35393
GeneID	13643;
Calculated MW	24 kDa
Tag Info	N-terminal 6xHis-tagged
Target Sequence	LSLEPVYWNSANKRFQAEGGYVLYPQIGDRLDLLCPRARPPGPHSSPSYEFYKLYLVEGAQGRRCEAPPAPN LLLTCDRDLRLRFTIKFQEYSPNLWGHFRSHHDYIIATSDGTREGLES LQGGVCLTRGMKVLLRVGQSPR GGAVPRKPVSEMPMERDRGAAHSAEPGRDTIPGDPSSNATSRGAEGPLPPPSMPA
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

Cell surface transmembrane ligand for Eph receptors, a family of receptor tyrosine kinases which are crucial for migration, repulsion and adhesion during neuronal, vascular and epithelial development. Binds promiscuously Eph receptors residing on adjacent cells, leading to contact-dependent bidirectional signaling into neighboring cells. The signaling pathway downstream of the receptor is referred to as forward signaling while the signaling pathway downstream of the ephrin ligand is referred to as reverse signaling. May play a pivotal role in forebrain function. Binds to, and induce the collapse of, commissural axons, growth cones in vitro. May play a role in constraining the orientation of longitudinally projecting axons.

References

Ephrin-B3, a ligand for the receptor EphB3, expressed at the midline of the developing neural tube. Bergemann A.D., Zhang L., Chiang M.-K., Brambilla R., Klein R., Flanagan J.G. *Oncogene* 16:471-480(1998) Research Topic: Others

Note: This product is for in vitro research use only