abcam

Product datasheet

Recombinant Human Ephrin B1 protein (Fc Chimera His Tag) ab235877

1 Image

Description

Product name	Recombinant Human Ephrin B1 protein (Fc Chimera His Tag)
Purity	> 90 % SDS-PAGE.
Endotoxin level	< 1.000 Eu/µg
Expression system	Baculovirus infected insect cells
Accession	P98172
Protein length	Protein fragment
Animal free	No
Nature	Recombinant
Species	Human
Sequence	ADPLAKNLEPVSWSSLNPKFLSGKGLVIYPKIGDKLDII CPRAEAGRPYE YYKLYLVRPEQAAACSTVLDPNVLVTCNRPEQEIRFTIK FQEFSPNYMGL EFKKHHDYYITSTSNGSLEGLENREGGVCRTRTMKIIMK VGQDPNAVTPE QLTTSRPSKEADNTVKMATQAPGSRGSLGDSDGKHE TVNQEEKSGPGASG GSSGDPDGFFNSKLEPKSCDKTHTCPPCPAPELLGG PSVFLFPPKPKDTL MISRTPEVTCVVVDVSHEDPEVKFNWYVDGVEVHNA KTKPREEQYNSTYR VVSVLTVLHQDWLNGKEYKCKVSNKALPAPIEKTISKA KGQPREPQVYTL PPSRDELTKNQVSLTCLVKGFYPSDIAVEWESNGQPE NNYKTTPPVLDSD GSFFLYSKLTVDKSRWQQGNVFSCSVMHEALHNHYT QKSLSLSPGKHHHH HH
Predicted molecular weight	50 kDa including tags
Amino acids	28 to 237
Tags	His tag C-Terminus

Additional sequence information	Fused to hIgG-His-tag at C- terminus. NP_004420. Extracellular domain.

Specifications

Our Abpromise guarantee covers the use of **ab235877** in the following tested applications.

The application notes include recommended starting dilutions; optimal dilutions/concentrations should be determined by the end user.

Applications	SDS-PAGE
Form	Liquid

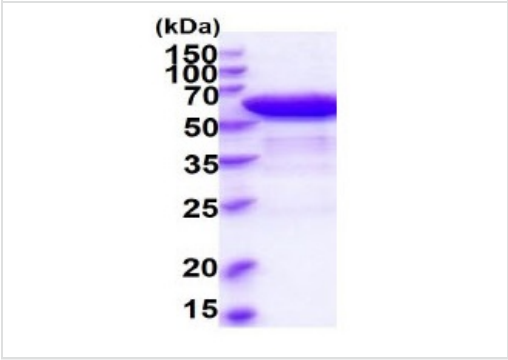
Preparation and Storage

Stability and Storage	Shipped at 4°C. Store at +4°C short term (1-2 weeks). Upon delivery aliquot. Store at -20°C or -80°C. Avoid freeze / thaw cycle. pH: 7.4 Constituents: PBS, 10% Glycerol

General Info

Function	Binds to the receptor tyrosine kinases EPHB1 and EPHA1. 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.
Tissue specificity	Heart, placenta, lung, liver, skeletal muscle, kidney, pancreas.
Involvement in disease	Defects in EFNB1 are a cause of craniofrontonasal syndrome (CFNS) [MIM:304110]; also known as craniofrontonasal dysplasia (CFND). CFNS is an X-linked inherited syndrome characterized by hypertelorism, coronal synostosis with brachycephaly, downslanting palpebral fissures, clefting of the nasal tip, joint anomalies, longitudinally grooved fingernails and other digital anomalies.
Sequence similarities	Belongs to the ephrin family.
Post-translational modifications	Inducible phosphorylation of tyrosine residues in the cytoplasmic domain.
Cellular localization	Membrane.

Images



SDS-PAGE - Recombinant Human Ephrin B1 protein (Fc Chimera His Tag) (ab235877)

15% SDS-PADE analysis of 3 µg ab235877.

50-70 kDa (Under reducing conditions)

Our Abpromise to you: Quality guaranteed and expert technical support

- Replacement or refund for products not performing as stated on the datasheet
- Valid for 12 months from date of delivery
- Response to your inquiry within 24 hours
- We provide support in Chinese, English, French, German, Japanese and Spanish
- Extensive multi-media technical resources to help you
- We investigate all quality concerns to ensure our products perform to the highest standards

If the product does not perform as described on this datasheet, we will offer a refund or replacement. For full details of the Abpromise, please visit https://www.abcam.com/abpromise or contact our technical team.

Terms and conditions

- Guarantee only valid for products bought direct from Abcam or one of our authorized distributors