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.<br>Affinity purified |
| **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** | ADPLAKNLEPVSWSSLNPKFLSGKGLVIYPKIGDKLDIICP<br>RAEAGRPYE<br>YYKLYLVRPEQAAACSTVLDPNVLVTCNRPEQEIRFTIKFQ<br>EFSPNYMGL<br>EFKKHHDYYITSTSNGSLEGLENREGGVCRTRTMKIIMKVG<br>QDPNAVTPE<br>QLTTSRPSKEADNTVKMATQAPGSRGSLGDSDGKHETV<br>NQEEKSGPGASG<br>GSSGDPDGFFNSKLEPKSCDKTHTCPPCPAPELLGGPS<br>VFLFPPKPKDTL<br>MISRTPEVTCVVVDVSHEDPEVKFNWYVDGVEVHNAKTK<br>PREEQYNSTYR<br>VVSVLTVLHQDWLNGKEYKCKVSNKALPAPIEKTISKAKG<br>QPREPQVYTL<br>PPSRDELTKNQVSLTCLVKGFYPSDIAVEWESNGQPENN<br>YKTTPPVLDSD<br>GSFFLYSKLTVDKSRWQQGNVFSCSVMHEALHNHYTQKS<br>LSLSPGKHHHH HH |
| **Predicted molecular weight** | 50 kDa including tags |
| **Amino acids** | 28 to 237 |
| **Tags** | His tag C-Terminus |

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| **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.

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|---|---|
| **Applications** | SDS-PAGE |
| **Form** | Liquid |

## Preparation and Storage

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| **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.<br>pH: 7.40<br>Constituents: PBS, 10% Glycerol (glycerin, glycerine) |

## General Info

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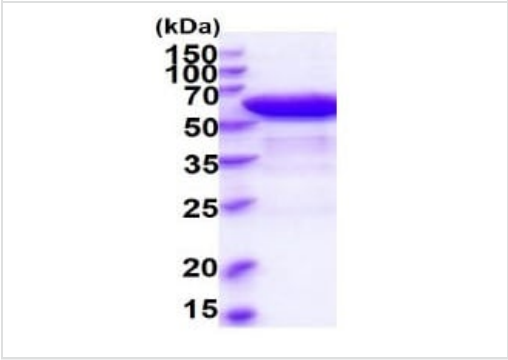
| **Function** | Binds to the receptor tyrosine kinases EPHB1 and EPHA1. Binds to, and induce the collapse of, commissural axons/growth cones in vitro. May play a role in constraining the orientation of longitudinally projecting axons. |
| **Tissue specificity** | Heart, placenta, lung, liver, skeletal 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)

**Please note:** All products are "FOR RESEARCH USE ONLY. NOT FOR USE IN DIAGNOSTIC PROCEDURES"

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