

Product datasheet

Recombinant Human Eph receptor B1/NET protein (Fc Chimera) ab185828

Description

Product name	Recombinant Human Eph receptor B1/NET protein (Fc Chimera)	
Purity	> 95 % SDS-PAGE. Purity is greater than 95% as determined by SEC-HPLC and reducing SDS-PAGE.	
Endotoxin level	< 1.000 Eu/μg	
Expression system	Mammalian	
Accession	P54762	
Protein length	Protein fragment	
Animal free	No	
Nature	Recombinant	
Species	Human	
Sequence	<pre> MEETLMDTRTATAELGWTANPASGWEEVSGYDENLNTIR TYQVCNVFEPN QNNWLLTTFINRRGAHRYTEMRFVTRDCSSLPNVPGSCK ETFNLYYYET DSVIATKKSAFWSEAPYLKVDIAADESFSQVDFGGRLMK VNTEVRSFGP LTRNGFYLAFQDYGACMSLLSVRVFFKKCPSVQNFVFP ETMTGAESTS LVIARGTCIPNAEEVDVPIKLYCNGDGEWMVPIGRCTCKP GYPENSVAC KACPAGTFKASQEAEGCSHCPSNSRSPAEASPICTCRTG YRADFDPPPEV ACTSVPSGPRNVISVNETSIILEWHPPRETGGRDDVTYNIC KKCRADR RSCSRCDDNVEFVPRQLGLTECRVSISSLWAHTPYTFDIQ ANGVSSKSP FPPQHVSVNITTNQAAPSTVPIMHQVSATMRSITLSWPQP EQPNGILDY EIRYYEKEHNEFNSSMARSQTNTARIDGLRPGMVVYVQVR ARTVAGYGKF SGKMCFQTLTDDDYKSELRE QLPVDDIEGRMDEPKSCDKTHTCPPCPAPELLGGPSVFL FPPKPKDTLMI SRTPEVTCVVVDVSHEDPEVKFNWYVDGVEVHNAKTKP </pre>	

REEQYNSTYRVV
SVLTVLHQDWLNGKEYKCKVSNKALPAPIEKTISKAKGQP
REPQVYTLPP
SREEMTKNQVSLTCLVKGFYPSDIAVEWESNGQPENNYK
TTPPVLDSDGS
FFLYSKLTVDKSRWQQGNVFCFSVMHEALHNHYTQKSLS
LSPGK

Predicted molecular weight	86 kDa including tags
Amino acids	18 to 540
Additional sequence information	Extracellular domain with a FC tag at the C-terminus.

Specifications

Our [Abpromise guarantee](#) covers the use of **ab185828** 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 HPLC
Form	Lyophilized
Additional notes	Product previously known as Recombinant Human Eph receptor B1 protein (Fc Chimera)

Preparation and Storage

Stability and Storage	Shipped at 4°C. Store at +4°C short term (1-2 weeks). Store at -20°C or -80°C. Reconstitute for long term storage. pH: 7.40 Constituent: 100% PBS Lyophilized from a 0.2 µM filtered solution
Reconstitution	Always centrifuge tubes before opening. Do not mix by vortex or pipetting. It is not recommended to reconstitute to a concentration less than 100 µg/ml. Dissolve the lyophilized protein in 3X PBS. After reconstitution aliquot and store at < -20 degrees, avoid freeze/thaw cycles.

General Info

Function	Receptor for members of the ephrin-B family. Binds to ephrin-B1, -B2 and -B3. Binding with the guidance cue ephrin-B2 at the optic chiasm midline redirect ventrotemporal (VT) retinal ganglion cells (RGCs) axons ipsilaterally. May be involved in cell-cell interactions in the nervous system.
Tissue specificity	Preferentially expressed in brain.
Sequence similarities	Belongs to the protein kinase superfamily. Tyr protein kinase family. Ephrin receptor subfamily. Contains 2 fibronectin type-III domains. Contains 1 protein kinase domain. Contains 1 SAM (sterile alpha motif) domain.
Cellular localization	Membrane.

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