Recombinant human Ephrin-B3 protein

Catalog Number: ATGP1658

PRODUCT INFORMATION

Expression system
E.coli

Domain
28-226aa

UniProt No.
Q15768

NCBI Accession No.
NP_001397

Alternative Names
Ephrin-B3, EFL6, EPLG8, LERK8, EPH-related receptor transmembrane ligand ELK-L3, EPH-related receptor tyrosine kinase ligand 8

PRODUCT SPECIFICATION

Molecular Weight
24.6 kDa (224aa)

Concentration
1mg/ml (determined by Bradford assay)

Formulation
Liquid in. 20mM Tris-HCl buffer (pH 8.0) containing 20% glycerol, 0.1M NaCl, 2M urea

Purity
> 90% by SDS-PAGE

Tag
His-Tag

Application
SDS-PAGE, Denatured

Storage Condition
Can be stored at +2C to +8C for 1 week. For long term storage, aliquot and store at -20C to -80C. Avoid repeated freezing and thawing cycles.

BACKGROUND

Description
EFNB3, also known as ephrin-B3, a member of the ephrin gene family, is important in brain development as well as in its maintenance. It 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. Binds to, and induce the collapse of, commissural axons/growth cones in vitro. Recombinant

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human EFNB3 protein, fused to His-tag at N-terminus, was expressed in E. coli.

Amino acid Sequence

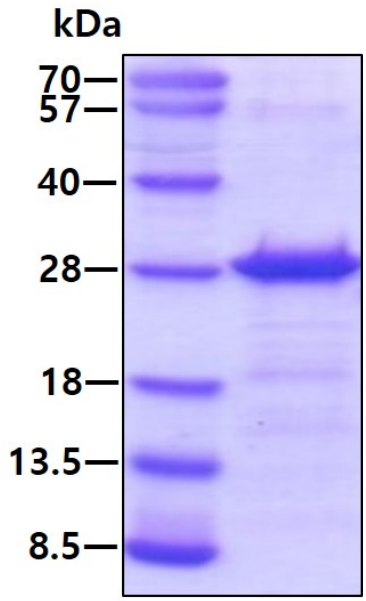
<MGSSHHHHHH SSGLVPRGSH MGSHM>LSLEP VYWNSANKRF QAEGGYVLYP QIGDRLDLLC PRARPPGPHS SPNYEFYKLY LVGGAQGRRC EAPPAPNLLL TCDRPDLDLR FTIKFQEYSP NLWGHEFRSH HDYYIIATSD GTREGLESLQ GGVCLTRGMK VLLRVGQSPR GGAVPRKPVS EMPMERDRGA AHSLEPGKEN LPGDPTSNAT SRGAEGPLPP PSMP

General References

Negrete O.A., et al. (2006) PLoS Pathog. 2:78-86
Brueckner K., et al. (1999) Neuron. 22:511-524

DATA

SDS-PAGE



3ug by SDS-PAGE under reducing condition and visualized by coomassie blue stain.