Recombinant human Ephrin-B3 protein

Catalog Number: ATGP3499

PRODUCT INFORMATION

Expression system
Baculovirus

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
23 kDa (208aa)

Concentration
0.5mg/ml (determined by absorbance at 280nm)

Formulation
Liquid in. Phosphate-Buffered Saline (pH 7.4) containing 10% glycerol

Purity
> 95% by SDS-PAGE

Endotoxin level
< 1 EU per 1ug of protein (determined by LAL method)

Tag
His-Tag

Application
SDS-PAGE

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, is a member of the Ephrin-B family of transmembrane ligands that bind and induce the tyrosine autophosphorylation of Eph receptors. EFNB3 is expressed on oligodendrocytes and neurons in the hippocampus and along the midline of the spinal cord. It is up-regulated in glioma and promotes tumor

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cell invasion and migration. This protein acts as the midline barrier that prevents corticospinal tract projections from recrossing when they enter the spinal gray matter. Recombinant human EFNB3, fused to His-tag at C-terminus, was expressed in insect cell and purified by using conventional chromatography techniques.

Amino acid Sequence

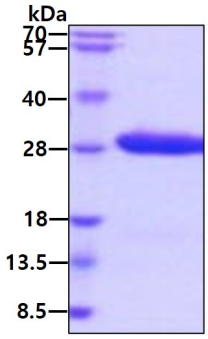
<ADP>LSLEPVY WNSANKRFQA EGGYVLYPQI GDRLDLLCPR ARPPGPHSSP NYEFYKLYLV GGAQGRRCEA PPAPNLLLTC DRPDLDLRFT IKFQEYSPNL WGHEFRSHHD YYIIATSDGT REGLESLQGG VCLTRGMKVL LRVGQSPRGG AVPRKPVSEM PMERDRGAAH SLEPGKENLP GDPTSNATSR GAEGPLPPPS MP<HHHHHH>

General References

Miao H., et al. (2009) Int J Biochem Cell Biol. 41:762-770.
Kullander K., et al. (2001) Genes Dev. 15:877-888.

DATA

SDS-PAGE



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