## 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

$0.5 \mathrm{mg} / \mathrm{ml}$ (determined by absorbance at 280 nm )

## Formulation

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

## Purity

> 95\% by SDS-PAGE

## Endotoxin level

$<1$ EU per lug of protein (determined by LAL method)

## Tag

His-Tag

## Application

SDS-PAGE

## Storage Condition

Can be stored at +2 C to +8 C for 1 week. For long term storage, aliquot and store at -20 C to -80 C . 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
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 Cterminus, 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

