

Recombinant human Ephrin-A3 protein

Catalog Number: ATGP2094

PRODUCT INFORMATION

Expression system

E.coli

Domain

23-214aa

UniProt No.

P52797

NCBI Accession No.

NP_004943

Alternative Names

LERK3, EPLG3, Ephrin-A3, EPH-related receptor tyrosine kinase ligand 3, EHL1 ligand, EHK1-L, EFNA3, EFL2

PRODUCT SPECIFICATION

Molecular Weight

24 kDa (217aa)

Concentration

1mg/ml (determined by Bradford assay)

Formulation

Liquid in. 20mM Tris-HCl buffer (pH 8.0) containing 0.4M urea, 10% glycerol

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

EFNA3 is a member of the ephrin (EPH) family. The ephrins and EPH-related receptors comprise the largest subfamily of receptor protein-tyrosine kinases and have been implicated in mediating developmental events, especially in the nervous system and in erythropoiesis. Based on their structures and sequence relationships, ephrins are divided into the ephrin-A (EFNA) class, which are anchored to the membrane by a glycosylphosphatidylinositol linkage, and the ephrin-B (EFNB) class, which are transmembrane proteins. Recombinant human EFNA3 protein, fused to His-tag at N-terminus, was expressed in E. coli.

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Amino acid Sequence

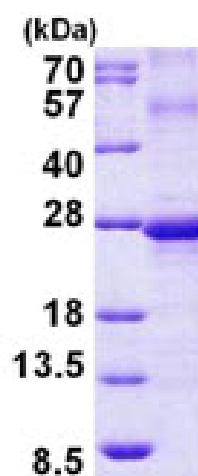
MGSSHHHHHH SSGLVPRGSH MGSHMQGPGG ALGNRHAVYW NSSNQHLRRE GYTVQVNVND YLDIYCPHYN
SSGVGPGAGP GPGGGAEQYV LYMVSRNGYR TCNASQGFKR WECNRPHAPH SPIKFSEKFQ RYSAFSLGYE FHAGHEYHYI
STPTHNLHWK CLRMKVFVCC ASTSHSGEKP VPTLPQFTMG PNVKINVLED FEGENPQVPK LEKSISG

General References

Carmona MA, Murai KK, et al. Proc Natl Acad Sci U S A. 2009 Jul 28
106(30):12524-9.

DATA

SDS-PAGE



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

15% SDS-PAGE (3ug)