

Recombinant human Ephrin-A5 protein

Catalog Number: ATGP4147

PRODUCT INFORMATION

Expression system

Baculovirus

Domain

21-203aa

UniProt No.

P52803

NCBI Accession No.

NP_001953.1

Alternative Names

Ephrin-A5, EFNA5, AF1, EFL5, EPLG7, GLC1M, LERK7, RAGS, AL-1, EPH-related receptor tyrosine kinase ligand 7

PRODUCT SPECIFICATION

Molecular Weight

48.1 kDa (422aa)

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)

Biological Activity

Measured by its binding ability in a functional ELISA with Mouse EphA3 (CAT# ATGP4148). The ED50 range \leq 60 ng/ml.

Tag

hIgG-His-Tag

Application

SDS-PAGE, Bioactivity

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

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Description

Ephrin-A5, as known as EFNA5, is a member of the ephrin ligand family which binds the members of ephrin receptor subfamily of tyrosine kinases. This protein is expressed with the highest levels in human adult brain, heart, spleen, and ovary and human fetal brain, lung, and kidney. It is also expressed by muscle precursor cells and interacts with ephrin-A4 to restrict their migration to the correct locations during forelimb morphogenesis. Recombinant human Ephrin-A5, fused to hIgG-His-tag at C-terminus, was expressed in insect cell and purified by using conventional chromatography techniques.

Amino acid Sequence

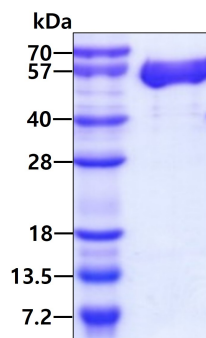
QDPGSKAVAD RYAVYWNSSN PRFQRGDYHI DVCINDYLDV FCPHYEDSVP EDKTERYVLY MVNFDGYSAC DHTSKGFKRW ECNRPHSPNG PLKFSEKFQL FTPFSLGFEF RPGREYFYIS SAIPDNGRRS CLKLKVFRP TNSCMKTIGV HDRVFDVNDK VENSLEPADD TVHESAEPSR GEN<LEPKSCD KTHTCPPCPA PELLGGPSVF LFPPKPKDTL MISRTPEVTC VVVDVSHEDP EVKFNWYVDG VEVHNAKTKP REEQYNSTYR VVSVLTVLHQ DWLNGKEYKC KVSNKALPAP IEKTISKAKG QPREPQVYTL PPSRDELTKN QVSLTCLVKG FYPSDIAVEW ESNQQPENNY KTTPLVLDSD GSFFLYSKLT VDKSRWQQGN VFSCSVMHEA LHNHYTQKSL SLSPGKHHHH HH>

General References

Son Al., et al. (2013) Mol. Vis. 19:254-266.
Wang TH., et al. (2012) FEBS J. 279:251-263.

DATA

SDS-PAGE



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

Biological Activity

Mouse EphA3 (CAT# ATGP4148) is coated at 2 ug/ml (100 ul/well) can bind Human EFNA5. The ED50 range \leq 60 ng/ml.

