

# Recombinant human Ephrin-A5 protein

Catalog Number: ATGP3354

## PRODUCT INFORMATION

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### Expression system

Baculovirus

### Domain

21-203aa

### UniProt No.

P52803

### NCBI Accession No.

NP\_001953

### Alternative Names

Ephrin-A5, EFNA5, AF1, EFL5, EPLG7, GLC1M, LERK7, RAGS

## PRODUCT SPECIFICATION

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### 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)

### Tag

hIgG-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

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### Description

EFNA5, as known as ephrin-A5, 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 protein

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Recombinant human EFNA5, fused to hlgG-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 KVS NKALPAP IEKTISKAKG QPREPQVYTL  
PPSRDELTKN QVSLTCLVKG FYPSDIAVEW ESNQG PENNY KTT PPVLDSG GSFFLYSKLT VDKSRWQQGN VFSCSVMHEA  
LHNHYTQKSL SLSPGKHHHH HH>

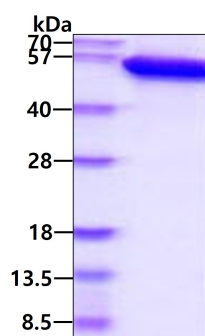
## General References

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.