

# Recombinant human Ephrin-A3/EFNA3 Protein

Catalog No.: RP01714 **Recombinant**

## Sequence Information

Species	Gene ID	Swiss Prot
human	1944	P52797-1

### Tags

C-6His

### Synonyms

EFL2; EPLG3; LERK3; Ehk1-L; EFNA3

## Product Information

Source	Purification
HEK293 cells	

Calculated MW	Observed MW
22.33 kDa	35-45 kDa

### Endotoxin

&lt; 0.01EU/μg

### Formulation

Lyophilized from a 0.22 μm filtered solution of PBS, pH 7.4.

### Reconstitution

Centrifuge the vial before opening. Reconstitute to a concentration of 0.1-0.5 mg/mL in sterile distilled water. Avoid vortex or vigorously pipetting the protein. For long term storage, it is recommended to add a carrier protein or stabilizer (e.g. 0.1% BSA, 5% HSA, 10% FBS or 5% Trehalose), and aliquot the reconstituted protein solution to minimize free-thaw cycles.

## Contact

		400-999-6126
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		cn.market@abclonal.com.cn
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		www.abclonal.com.cn
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## Background

Ephrin-A3 (Ephrin A3) is also known as EFL-2, EHK1 ligand, EHK1-L, EPH-related receptor tyrosine kinase ligand 3, EFL2, EPLG3 and LERK3, which comprises the largest subfamily of receptor protein-tyrosine kinases (RTKs), and has been involved in a variety of biological processes, especially in the nervous system and in erythropoiesis, such as axon guidance and topographic map formation, synaptic plasticity, angiogenesis, and meanwhile have possible contributions to tumor growth and metastasis. Ephrin A3 is cell surface GPI-bound ligand for Eph receptors and belongs to the family of receptor tyrosine kinases. Ephrin can bind promiscuously Eph receptors residing on adjacent cells, leading to contact-dependent bidirectional signaling into neighboring cells.

## Basic Information

### Description

Recombinant human Ephrin-A3/EFNA3 Protein is produced by HEK293 cells expression system. The target protein is expressed with sequence (Met 1-Ser 213) of human Ephrin-A3/EFNA3 (Accession #NP\_004943.1.) fused with and a 6×His tag at the C-terminus.

### Bio-Activity

Measured by its binding ability in a functional ELISA. Immobilized Human EFNA3 (Catalog: RP01714) at 2 μg/mL (100 μL/well) can bind Human EphA3 (Catalog: RP00186) with a linear range of 0.02-2.82 ng/mL.

### Storage

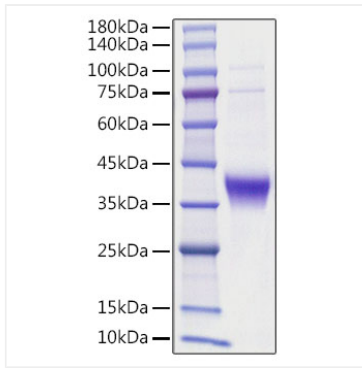
Store at -20°C. Store the lyophilized protein at -20°C to -80 °C up to 1 year from the date of receipt.

After reconstitution, the protein solution is stable at -20°C for 3 months, at 2-8°C for up to 1 week.

Avoid repeated freeze/thaw cycles.

## Validation Data

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Recombinant human Ephrin-A3/EFNA3  
Protein was determined by SDS-PAGE with  
Coomassie Blue, showing a band at 35&70  
kDa.