

# Human Ephrin-A5/EFNA5 (His Tag) recombinant protein



Catalog Number: 501087

## General Information

### Gene Name Synonym

AL-1; EPH-related receptor tyrosine kinase ligand 7

### Protein Construction

A DNA sequence encoding the extracellular domain (Met 1-Asn 203) of human Ephrin-A5 (NP\_001953.1) precursor was expressed with a C-terminal polyhistidine tag.

### Organism

Human

### Expression Host

Human Cells

## QC Testing

### Activity

Measured by its binding ability in a functional ELISA. Immobilized human EPHA5 at 20 µg/ml (100 µl/well) can bind human EFNA4 with a linear range of 1.28-32 ng/ml.

### Purity

> 90 % as determined by SDS-PAGE

### Endotoxin

< 1.0 EU per µg of the protein as determined by the LAL method

### Stability

Samples are stable for up to twelve months from date of receipt at -70°C

### Predicted N terminal

Gln 21

## Molecular Mass

The recombinant human Ephrin-A5 consists of 194 amino acids and has a calculated molecular mass of 23 kDa. In SDS-PAGE under reducing conditions, the apparent molecular mass of rhEphrin-A5 is approximately 27 kDa due to glycosylation.

## Formulation

Lyophilized from sterile PBS, pH 7.4

1. 5 % trehalose and mannitol are added as protectants before lyophilization.

2. Please contact us for any concerns or special requirements.

## Usage Guide

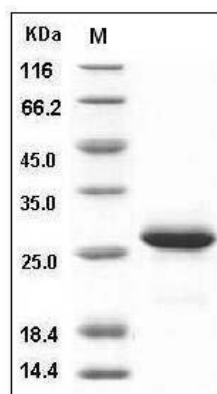
### Storage

Store it under sterile conditions at -20°C to -80°C. It is recommended that the protein be aliquoted for optimal storage. Avoid repeated freeze-thaw cycles.

### Reconstitution

Adding sterile water, prepare a stock solution of 0.25 mg/ml. Concentration is measured by UV-Vis.

## SDS-PAGE



Human Ephrin-A5 / EFNA5 Protein (His Tag) SDS-PAGE