

## 37-1207: Human Ephrin-A3 / EFNA3 / EFL2 Recombinant Protein (Fc Tag)(Discontinued)

**Reactivity :** Human

**Alternative Name :** EFL2 Protein, Ehk1-L Protein, EPLG3 Protein, LERK3 Protein,

### Description

#### Source : HEK293 Cells

Ephrin-A3 also known as EPH-related receptor tyrosine kinase ligand 3 or EFNA3, is a member of the ephrin family. The Eph family receptor interacting proteins (ephrins) are a family of proteins that serve as the ligands of the Eph receptor, which compose the largest known subfamily of receptor protein-tyrosine kinases (RTKs). Ephrin-A3 and their Eph family of receptor tyrosine kinases are expressed by cells of the SVZ. Ephrin subclasses are further distinguished by their mode of attachment to the plasma membrane: Ephrin-A3 ligands bind EphA receptors and are anchored to the plasma membrane via a glycosylphosphatidylinositol (GPI) linkage, whereas ephrin-B ligands bind EphB receptors and are anchored via a transmembrane domain. Ephrin-A3 expressed on astrocytes activates EphA4 on the post-synaptic neuron and restricts the growth of dendritic spines through multiple pathways.

### Product Info

**Amount :** A3 / EFNA3 / EFL2 Recombinant Protein (Fc Tag)(Discontinued) / 200 µg

**Purification :** > 97 % as determined by SDS-PAGE

**Content :** Formulation Lyophilized from sterile PBS, pH 7.4  
Normally 5 % - 8 % trehalose, mannitol and 0.01% Tween80 are added as protectants before lyophilization.

**Storage condition :** 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.

**Amino Acid :** Met1-Ser213

### Application Note

Measured by its binding ability in a functional ELISA. Immobilized mouse EphA6 at 1 µg/ml (100 µL/well) can bind human EphrinA3 / Fc Chimera. The EC50 of human EphrinA3 is 299.2 ng/mL.  
Endotoxin :< 1.0 EU per µg of the protein as determined by the LAL method

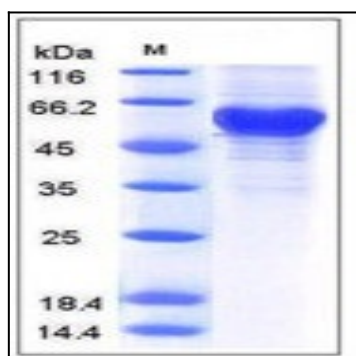


Fig 1: Human Ephrin-A3 / EFNA3 / EFL2 Recombinant Protein (Fc Tag)