

37-1363: Mouse Ephrin-A5 / EFNA5 Recombinant Protein (Fc Tag)(Discontinued)

Reactivity : Mouse

Alternative Name : AL-1 Protein, Mouse; AV158822 Protein, Mouse; EFL-5 Protein, Mouse; Ephrin-A5 Protein, Mouse; Epl7 Protein, Mouse; LERK-7 Protein, Mouse; RAGS Protein, Mouse

Description

Source : HEK293 Cells

Ephrin-A5 also known as EFNA5, 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 subclasses are further distinguished by their mode of attachment to the plasma membrane: ephrin-A 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-A5/EFNA5 may function actively to stimulate axon fasciculation. The interaction of EFNA5 with EPHA5 also mediates communication between pancreatic islet cells to regulate glucose-stimulated insulin secretion. Ephrin-A5/EFNA5 also serves as a cognate/functional ligand for EPHA7, their interaction regulates brain development modulating cell-cell adhesion and repulsion.

Product Info

Amount : A5 / EFNA5 Recombinant Protein (Fc Tag)(Discontinued) / 200 µg

Purification : > 85 % 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-Asn203

Application Note

Measured by its binding ability in a functional ELISA . Immobilized Mouse EPHA4 at 2 µg/ml (100 µL/well) can bind mouse EFNA5-Fc with a linear ranger of 1.28-32 ng/ml.

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

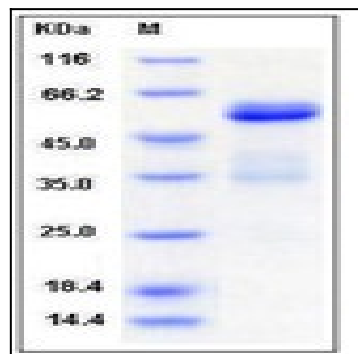


Fig 1: Mouse Ephrin-A5 / EFNA5 Recombinant Protein (Fc Tag)