

Recombinant Mouse Ephrin-A4/EFNA4 Protein

Catalog No.: RP03100

Sequence Information

Species **Gene ID**
Mouse 13639

Swiss Prot **Tags**
O08542 C-hFC

Synonyms

Efna4, Epl4, Eplg4, Lerk4

Product Information

Source **Purification**
HEK293 cells ≥ 90% as
 determined by
 reducing SDS-
 PAGE.

Calculated MW **Observed MW**
43.67 kDa 60–75 kDa

Endotoxin

< 0.01 EU/μg of the protein by LAL method.

Formulation

Lyophilized from 0.22μm filtered solution in 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.

Background

EPH-related receptor tyrosine kinase ligand 4 (Ephrin-A4) also known as EFNA4, 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). Eph/ephrin interactions are implicated in axon guidance, neural crest cell migration, establishment of segmental boundaries, and formation of angiogenic capillary plexi. 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-A4/EFNA4 functions as a cell surface GPI-bound ligand for Eph receptor, a family of receptor tyrosine kinases which are crucial for migration, repulsion and adhesion during neuronal, vascular and epithelial development.

Basic Information

Description

Recombinant Mouse Ephrin-A4/EFNA4 Protein is produced by HEK293 cells system. The target protein is expressed with sequence (Leu26 - Gly176) of Mouse Ephrin-A4/EFNA4 (Accession #NP_031936.2) fused with hFC at the C-Terminus.

Activity

Shipping

Lyophilized proteins are shipped at ambient temperature.
Liquid proteins are shipped at frozen temperature with dry ice.
Upon receipt, store it immediately at the temperature recommended below.

Storage

Store at -20°C

Operational Notes

For your safety and health, please wear a lab coat and disposable gloves for handling.

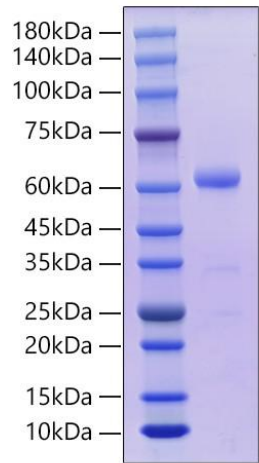
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Validation Data



Recombinant Mouse Ephrin-A4/EFNA4 Protein was determined by SDS-PAGE under reducing conditions with Coomassie Blue.