

RP00358

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Recombinant Human Ephrin-A5/EFNA5 Protein

Catalog No.: RP00358

Recombinant

Sequence Information

Species	Gene ID	Swiss Prot
Human	1946	P52803

Tags

C-Fc

Synonyms

EFNA5;AF1;EFL5;EPLG7;GLC1M;LERK7;RAGS;ephrin-A5

Product Information

Source	Purification
HEK293 cells	> 95% by SDS-PAGE.

Endotoxin

< 1 EU/μg of the protein by LAL method.

Formulation

Lyophilized from a 0.2 μm filtered solution of PBS, pH 7.4. Contact us for customized product form or formulation.

Reconstitution

Reconstitute to a concentration of 0.1-0.5 mg/mL in sterile distilled water.

Background

Ephrin-A5, a member of the ephrin gene family, prevents axon bundling in cocultures of cortical neurons with astrocytes, a model of late stage nervous system development and differentiation. The EPH and EPH-related receptors comprise the largest subfamily of receptor protein-tyrosine kinases and have been implicated in mediating developmental events, particularly in the nervous system. EPH receptors typically have a single kinase domain and an extracellular region containing a Cys-rich domain and 2 fibronectin type III repeats. The ephrin ligands and receptors have been named by the Eph Nomenclature Committee (1997). Based on their structures and sequence relationships, ephrins are divided into the ephrin-A (EFNA) class, which are anchored to the membrane by a glycosylphosphatidylinositol linkage, and the ephrin-B (EFNB) class, which are transmembrane proteins. The Eph family of receptors are similarly divided into 2 groups based on the similarity of their extracellular domain sequences and their affinities for binding ephrin-A and ephrin-B ligands.

Basic Information

Description

Recombinant Human Ephrin-A5/EFNA5 Protein is produced by Human Cell expression system. The target protein is expressed with sequence (Gln21-Asn203) of human Ephrin-A5/EFNA5 (Accession #P52803) fused with an Fc tag at the C-terminus.

Bio-Activity

Measured by its ability to compete with Biotinylated Recombinant Human Ephrin-A5/EFNA5 Fc Chimera for binding to immobilized recombinant mouse Eph-A3 Fc Chimera in a functional ELISA assay.

Storage

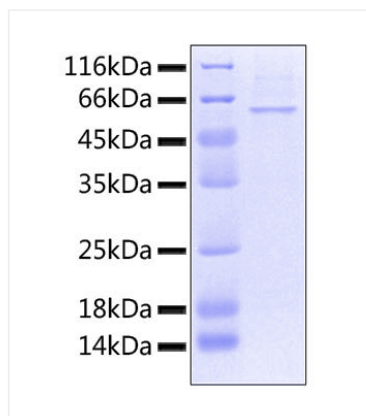
Store the lyophilized protein at -20°C to -80 °C for long term. After reconstitution, the protein solution is stable at -20 °C for 3 months, at 2-8 °C for up to 1 week. Avoid repeated freeze/thaw cycles.

Contact



www.abclonal.com

Validation Data



Recombinant protein Human Ephrin-A5/EFNA5 was determined by SDS-PAGE under reducing conditions with Coomassie Blue, showing a band at 60 kDa.