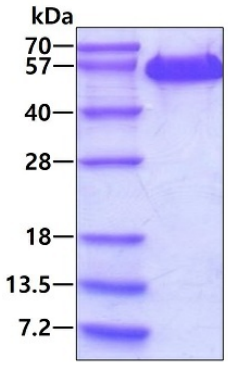
EFNA5 (Human) Recombinant Protein

Catalog # P7900 Size 50 ug

Applications



SDS-PAGE analysis of EFNA5 (Human) Recombinant Protein.

Specification

Product Description	Human EFNA5 (P52803, 21 a.a. - 203 a.a.) partial recombinant protein with hIgG-His tag expressed in Baculovirus.
Sequence	QDPGSKAVADRYAVYWNSSNPRFQRGDYHIDVCINDYLDVFCPHYEDSVPEDKTERYVLYMVNF DGYSACDHTSKGFKRWECNRPHSPNGPLKFSEKFQLFTPFSLGFEFRPGREYFYISSAIPDNGRR SCLKLKVFVRPTNSCMKTIGVHDRVFDVNDKVENSLEPADDTVHESAEPSRGENLEPKSCDKTH TCPPCPAPELLGGPSVFLFPPKPKDTLMISRTPEVTCVVVDVSHEDPEVKFNWYVDGVEVHNAK TKPREEQYNSTYRVVSVLTVLHQDWLNGKEYKCKVSNKALPAPIEKTISKAKGQPREPQVYTLPP SRDELTKNQVSLTCLVKGFYPSDIAVEWESNGQPENNYKTTPPVLDSDGSFFLYSKLTVDKSRW QQGNVFSCSVMHEALHNHYTQKSLSLSPGKHHHHHH
Host	Viruses
Theoretical MW (kDa)	48.1
Form	Liquid
Preparation Method	Baculovirus expression system
Purity	> 95% as analyzed by SDS-PAGE.
Endotoxin Level	< 1 EU/ug of protein by the LAL method.

Quality Control Testing	SDS-PAGE Stained with Coomassie Blue. SDS-PAGE analysis of EFNA5 (Human) Recombinant Protein.
Recommend Usage	Biological Activity SDS-PAGE The optimal working dilution should be determined by the end user.
Storage Buffer	In PBS, pH 7.4 (10% glycerol)
Storage Instruction	Store at 4°C for 1 week. For long term storage store at -20°C to -80°C. Aliquot to avoid repeated freezing and thawing.

Applications

- SDS-PAGE

Gene Info — EFNA5

Entrez GeneID	1946
Protein Accession#	P52803
Gene Name	EFNA5
Gene Alias	AF1, EFL5, EPLG7, GLC1M, LERK7, RAGS
Gene Description	ephrin-A5
Omim ID	601535
Gene Ontology	Hyperlink
Gene Summary	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. [provided by RefSeq
Other Designations	eph-related receptor tyrosine kinase ligand 7

Pathway

- Axon guidance

Disease

- Genetic Predisposition to Disease
- Lupus Erythematosus
- Parkinson disease
- Tobacco Use Disorder