

Recombinant Human EFNA5 Protein, GST-tagged

Cat. No. EFNA5-3101H Lot. No. (See product label)

SPECIFICATION

Product Overview	Human EFNA5 partial ORF (NP_001953, 114 a.a. - 203 a.a.) recombinant protein with GST-tag at N-terminal.
Species	Human
Source	Wheat Germ
Description	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, Jul 2008]
Molecular Mass	35.64 kDa

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AA Sequence	FSEKFQLFTPFSLGFEFRPGREYFYISSAIPDNGRRSCLKLKVFRPTNSCMKTIGVH DRVFDVNDKVENSLPADDTVHESAEPSRGEN
Applications	Enzyme-linked Immunoabsorbent Assay Western Blot (Recombinant protein) Antibody Production Protein Array
Notes	Best use within three months from the date of receipt of this protein.
Storage	Store at -80 centigrade. Aliquot to avoid repeated freezing and thawing.
Storage Buffer	50 mM Tris-HCl, 10 mM reduced Glutathione, pH=8.0 in the elution buffer.

GENE INFORMATION

Gene Name	EFNA5 ephrin-A5 [Homo sapiens]
Official Symbol	EFNA5
Synonyms	EFNA5; ephrin-A5; EPLG7; AF1; LERK7; AL-1; LERK-7; eph-related receptor tyrosine kinase ligand 7; EFL5; RAGS; GLC1M;
Gene ID	1946
mRNA Refseq	NM_001962
Protein Refseq	NP_001953
MIM	601535

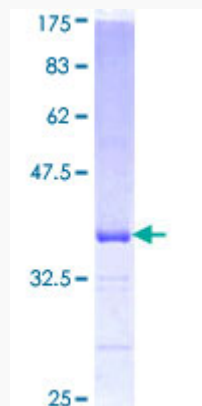
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UniProt ID

P52803

Quality Control
Testing

12.5% SDS-PAGE Stained with Coomassie Blue.

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