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Product datasheet for TP727284

Ephrin A5 (EFNA5) Human Recombinant Protein

Product data:

Product Type:	Recombinant Proteins
Description:	Recombinant Human Ephrin-A5/EFNA5 (C-Fc)
Species:	Human
Expression cDNA Clone or AA Sequence:	Gln21-Asn203
Tag:	C-Fc
Buffer:	Lyophilized from a 0.2 um filtered solution of PBS, pH 7.4.
Note:	Recombinant Human Ephrin-A5 is produced by our Mammalian expression system and the target gene encoding Gln21-Asn203 is expressed with a Fc tag at the C-terminus.
Storage:	Lyophilized protein should be stored at < -20°C, though stable at room temperature for 3 weeks. Reconstituted protein solution can be stored at 4-7°C for 2-7 days. Aliquots of reconstituted samples are stable at < -20°C for 3 months.
Stability:	12 months from date of despatch
Locus ID:	1946
UniProt ID:	P52803
Synonyms:	Ephrin-A5;EPLG7; LERK7;EFNA5;LERK-7;EPH-related receptor tyrosine kinase ligand 7;AL-1
Summary:	Ephrin-A5 (EFNA5) belongs to the ephrin family,contains 1 ephrin RBD (ephrin receptor-binding) domain. Ephrin-A5 is a cell surface GPI-bound ligand for Eph receptors, a family of receptor tyrosine kinases which are crucial for migration, repulsion and adhesion during neuronal, vascular and epithelial development. It binds promiscuously Eph receptors residing on adjacent cells, leading to contact-dependent bidirectional signaling into neighboring cells. The interaction of EFNA5 with EPHA5 also mediates communication between pancreatic islet cells to regulate glucose-stimulated insulin secretion. Cognate/functional ligand for EPHA7, their interaction regulates brain development modulating cell-cell adhesion and repulsion.
Protein Families:	Druggable Genome
Protein Pathways:	Axon guidance

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