

Recombinant Human EFNA5

Catalog No: CJ76

Description	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.
Source	Human Cells
Alternative name	Ephrin-A5;EPLG7; LERK7;EFNA5;LERK-7;EPH-related receptor tyrosine kinase ligand 7;AL-1
Accession No.	P52803
Formulation	Lyophilized from a 0.2 µm filtered solution of PBS, pH7.4.
Reconstitution	<p>Always centrifuge tubes before opening. Do not mix by vortex or pipetting.</p> <p>It is not recommended to reconstitute to a concentration less than 100µg/ml.</p> <p>Dissolve the lyophilized protein in distilled water.</p> <p>Please aliquot the reconstituted solution to minimize freeze-thaw cycles.</p>
Quality Control	<p>Purity: Greater than 95% as determined by reducing SDS-PAGE.</p> <p>Endotoxin: Less than 0.1 ng/µg (1 IEU/µg) as determined by LAL test.</p>
Shipping	<p>The product is shipped at ambient temperature.</p> <p>Upon receipt, store it immediately at the temperature listed below.</p>
Storage	<p>Lyophilized protein should be stored at < -20°C, though stable at room temperature for 3 weeks.</p> <p>Reconstituted protein solution can be stored at 4-7°C for 2-7 days.</p> <p>Aliquots of reconstituted samples are stable at < -20°C for 3 months.</p>
Amino Acid Sequence	<p>QDPGSKAVADRYAVYWNSNPRFQRGDYHIDVCINDYLDVFCPHYEDSPEDKTERYVLYMVNFDGY SACDHTSKGFKRWEENRPHSPNGPLKFSEKFQLFTPFSLGFEPGREGYFYISSAIPDNGRRSCLKLKV FVRPTNSCMKTIGVHDRVFDVNDKVENSLEPADDTVHESAEPSEGENVDDIEGRMDPEKSCDKTHTCP PCPAPELLGGPSVFLFPPKPKDTLMISRTPEVTCVVVDVSHEDPEVKFNWYVDGVEVHNAKTKPREEQ YNSTYRVVSVLTVLHQDWLNGKEYKCKVSNKALPAPIEKTISKAKGQPREPQVYTLPPSREEMTKNQVS LTCLVKGFYPSDIAVEWESNGQPENNYKTTTPVLDSGSSFLYSLKLTVDKSRWQQGNVFSQSVMEAL HNHYTQKSL SLSPGK</p>
Background	<p>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.</p>

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