



[Go to Product page](#)

Datasheet for ABIN1691770

Ephrin A1 Protein (EFNA1) (AA 19-182) (Fc Tag,His tag)

Overview

Quantity:	50 µg
Target:	Ephrin A1 (EFNA1)
Protein Characteristics:	AA 19-182
Origin:	Mouse
Source:	Human Cells
Protein Type:	Recombinant
Purification tag / Conjugate:	This Ephrin A1 protein is labelled with Fc Tag,His tag.

Product Details

Purpose:	Recombinant Mouse Ephrin-A1/EFNA1 (C-Fc-6His)
Sequence:	DRHIVFWNSS NPKFREEDYT VHVQLNDYLD IICPHYEDDS VADAAMERYT LYMVEHQEYV ACQPQSKDQV RWNCNRPSAK HGPEKLSEKF QRFTPFILGK EFKEGHSYYY ISKPIYHQES QCLKLVTVN GKITHNPQAH VNPQEKRLQA DDPEVQVLHS IGYSVDDIEG RMDEPKSCDK THTCPPCPAP ELLGGPSVFL FPPKPKDTLM ISRTPEVTCV VVDVSHEDPE VKFNWYVDGV EVHNAKTKPR EEQYNSTYRV VSVLTVLHQD WLNGKEYKCK VSNKALPAPI EKTISKAKGQ PREPQVYTLPSREEMTKNQ VSLTCLVKGF YPSDIAVEWE SNGQPENNYK TTPPVLDSDG SFFLYSKLTV DKSRWQQGNV FSCSVMHEAL HNHYTQKSLS LSPGKHHHHH H
Characteristics:	Recombinant Mouse Ephrin-A1/EFNA1 (C-Fc-6His)
Purity:	> 95 % as determined by reducing SDS-PAGE.
Sterility:	0.2 µm filtered
Endotoxin Level:	Less than 0.1 ng/µg (1 IEU/µg) as determined by LAL test

Target Details

Target:	Ephrin A1 (EFNA1)
Alternative Name:	Ephrin-A1/Efna1 (EFNA1 Products)
Background:	<p>Recombinant Mouse Ephrin-A1/Efna1 is produced by our mammalian expression system in human cells. The target protein is expressed with sequence (Asp19-Ser182) of Mouse Ephrin-A1 fused with a FC-6His tag at the C-terminus.</p> <p>Ephrin-A1 is a cell membrane protein and contains 1 ephrin RBD (ephrin receptor-binding) domain. EFNA1 belongs to the ephrin (EPH) family. The ephrins and EPH-related receptors comprise the largest subfamily of receptor protein-tyrosine kinases and have been implicated in mediating developmental events, especially in the nervous system and in erythropoiesis. 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. This gene encodes an EFNA class ephrin which binds to the EPHA2, EPHA4, EPHA5, EPHA6, and EPHA7 receptors. Two transcript variants that encode different isoforms were identified through sequence analysis. It belongs to the ephrin family and contains 1 ephrin RBD (ephrin receptor-binding) domain.</p>
Molecular Weight:	47.3 kDa
UniProt:	P52793
Pathways:	RTK Signaling

Application Details

Restrictions: For Research Use only

Handling

Format:	Lyophilized
Reconstitution:	<p>It is not recommended to reconstitute to a concentration less than 100 µg/mL.</p> <p>Dissolve the lyophilized protein in ddH₂O.</p> <p>Please aliquot the reconstituted solution to minimize freeze-thaw cycles.</p>
Buffer:	Lyophilized from a 0.2 µm filtered solution of PBS, pH 7.4.
Handling Advice:	Always centrifuge tubes before opening. Do not mix by vortex or pipetting.
Storage:	4 °C/-20 °C/-80 °C
Storage Comment:	Lyophilized protein should be stored at < -20°C, though stable at room temperature for 3 weeks.

Handling

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.