Datasheet for ABIN7597407

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

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Overview

Quantity:	10 µg
Target:	Ephrin A1 (EFNA1)
Protein Characteristics:	AA 19-182
Origin:	Human
Source:	HEK-293 Cells
Protein Type:	Recombinant
Purification tag / Conjugate:	This Ephrin A1 protein is labelled with Fc Tag.

Product Details

Purpose:	Recombinant human EFNA1 Protein with C-terminal human Fc tag
Sequence:	EFNA1(Asp19-Ser182) hFc(Glu99-Ala330)
Purity:	The purity of the protein is greater than 95 % as determined by SDS-PAGE and Coomassie blue staining.

Target Details

Target:	Ephrin A1 (EFNA1)
Alternative Name:	EFNA1 (EFNA1 Products)
Background:	B61, EFL1, GMAN, ECKLG, EPLG1, LERK1, LERK-1, TNFAIP4 This gene encodes a member of 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

Target Details

	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. [provided by RefSeq, Jul 2008]
Molecular Weight:	predicted molecular mass of 45.5 kDa after removal of the signal peptide. The apparent molecular mass of EFNA1-hFc is 35-55 kDa due to glycosylation.
UniProt:	P20827
Pathways:	RTK Signaling

Application Details

Application Notes:	Extracellular Domain Proteins (ECD) can be used as: • Immunogens for antibody drug development • Reagents used for CAR-T positive cell monitoring • Reagents for antibody screening and functional testing • Reagents for antibody affinity measurement
Comment:	The protein was made using HEK293 mammalian cell secretion expression system to ensure the close-to-native structures and post-translational modifications of the target protein.
Restrictions:	For Research Use only

Handling

Format:	Lyophilized
Buffer:	Lyophilized from sterile PBS, pH 7.4. Normally 5 % – 8% trehalose is added as protectants before lyophilization.
Storage:	-20 °C,-80 °C
Storage Comment:	Store at -20°C to -80°C for 12 months in lyophilized form. After reconstitution, if not intended for use within a month, aliquot and store at -80°C (Avoid repeated freezing and thawing). Lyophilized proteins are shipped at ambient temperature.
Expiry Date:	12 months