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Datasheet for ABIN1096579

Ephrin A3 Protein (EFNA3) (AA 23-211) (His tag)

Overview

Quantity:	50 µg
Target:	Ephrin A3 (EFNA3)
Protein Characteristics:	AA 23-211
Origin:	Human
Source:	Human Cells
Protein Type:	Recombinant
Purification tag / Conjugate:	This Ephrin A3 protein is labelled with His tag.

Product Details

Purpose:	Recombinant Human Ephrin-A3/EFNA3(C-6His)
Sequence:	QGPGGALGNR HAVYWNSSNQ HLRREGYTVQ VNVNDYLDIY CPHYNSSGVG PGAGPGPGGG AEQYVLYMVS RNGYRTCNAS QGFKRWEENR PHAPHSPIKF SEKFQRYSAF SLGYEFHAGH EYYYISTPTH NLHWKCLRMK VVCCASTSH SGEKPVPTLP QFTMGPNVKI NVLEDFEGEN PQVPKLEKSV DHHHHHH
Characteristics:	Recombinant Human Ephrin-A3 produced by transfected human cells is a secreted protein with sequence (Gln23-Ser211) of Human EFNA3 fused with a polyhistidine tag at the C-terminus.
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 A3 (EFNA3)
Alternative Name:	ephrin-a3 (EFNA3 Products)
Sub Type:	Fusionprotein
Background:	<p>Ephrins-A3 belongs the Ephrins ligand family which involved in a variety of biological processes, especially in the nervous system and in erythropoiesis. It is shown that Ephrin-A3 is expressed in brain, skeletal muscle, spleen, thymus, prostate, testis, ovary, small intestine, and peripheral blood leukocytes. Ephrin-A3 has a GPI anchor following the extracellular sequence and a signal sequence of 22 amino acids. Ephrin-A3 can bind EphA2, EphA3, EphA4, EphA5, EphA6, EphA7, EphA8 and EphB1. Furthermore, it is associated with tumor growth and metastasis.</p> <p>Alternative Names: Ephrin-A3, EFL-2, EHK1 Ligand, EHK1-L, EPH-Related Receptor Tyrosine Kinase Ligand 3, LERK-3, EFNA3, EFL2, EPLG3, LERK3</p>
Molecular Weight:	22.25 kDa
UniProt:	P52797
Pathways:	RTK Signaling

Application Details

Restrictions:	For Research Use only
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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 20 mM PB, 150 mM NaCl, pH 7.2.
Handling Advice:	Always centrifuge tubes before opening. Do not mix by vortex or pipetting.
Storage:	4 °C/-20 °C/-80 °C
Storage Comment:	<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>
Expiry Date:	3 months