Datasheet for ABIN7274546

EPH Receptor B4 Protein (EPHB4) (AA 16-539) (His tag)

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2 Images

Overview

Quantity:	100 µg
Target:	EPH Receptor B4 (EPHB4)
Protein Characteristics:	AA 16-539
Origin:	Human
Source:	HEK-293 Cells
Protein Type:	Recombinant
Purification tag / Conjugate:	This EPH Receptor B4 protein is labelled with His tag.

Product Details

Purpose:	Human EphB4 Protein
Sequence:	Leu16-Ala539
Characteristics:	Recombinant Human EphB4 Protein is expressed from HEK293 with His tag at the C-Terminus.It contains Leu16-Ala539.
Purity:	> 95 % as determined by Tris-Bis PAGE,> 95 % as determined by HPLC
Sterility:	0.22 µm filtered
Endotoxin Level:	Less than 1EU per µg by the LAL method.

Target Details

Target:	EPH Receptor B4 (EPHB4)
Alternative Name:	EphB4 (EPHB4 Products)

Target Details

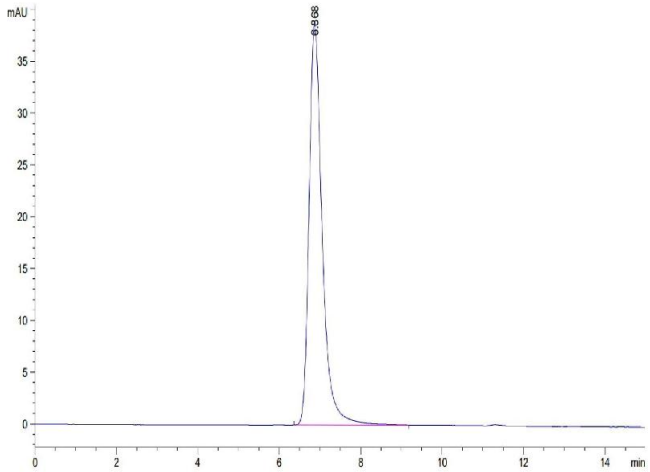
Background:	The erythropoietin-producing hepatocellular carcinoma (Eph) receptors are the largest family of receptor tyrosine kinases (RTKs) that include two major subclasses, EphA and EphB. They form an important cell communication system with critical and diverse roles in a variety of biological processes during embryonic development. The emerging picture suggests that EphB4 is a valuable and attractive therapeutic target for upper aerodigestive malignancies.
Molecular Weight:	58.2 kDa. Due to glycosylation, the protein migrates to 60-70 kDa based on Tris-Bis PAGE result.
NCBI Accession:	NP_004435
Pathways:	RTK Signaling

Application Details

Restrictions:	For Research Use only

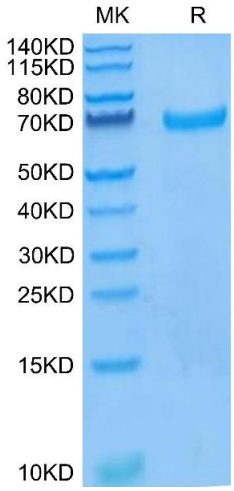
Handling

Format:	Lyophilized
Reconstitution:	Centrifuge the tube before opening. Reconstituting to a concentration more than 100 µg/mL is recommended. Dissolve the lyophilized protein in distilled water.
Buffer:	Lyophilized from 0.22µm filtered solution in PBS (pH 7.4). Normally 8 % trehalose is added as protectant before lyophilization.
Storage:	-20 °C,-80 °C
Storage Comment:	-20 to -80°C for 12 months as supplied from date of receipt., -80°C for 3-6 months after reconstitution., 2-8°C for 2-7 days after reconstitution., Recommend to aliquot the protein into smaller quantities for optimal storage. Please minimize freeze-thaw cycles.
Expiry Date:	12 months



Size-exclusion chromatography-High Pressure Liquid Chromatography

Image 1. The purity of Human EphB4 is greater than 95 % as determined by SEC-HPLC.



SDS-PAGE

Image 2. Human EphB4 on Tris-Bis PAGE under reduced condition. The purity is greater than 95 % .