Datasheet for ABIN7274559

EPH Receptor B3 Protein (EPHB3) (AA 34-559) (His tag)

Go to Product page

2 Images

Overview

Quantity:	100 µg
Target:	EPH Receptor B3 (EPHB3)
Protein Characteristics:	AA 34-559
Origin:	Human
Source:	HEK-293 Cells
Protein Type:	Recombinant
Purification tag / Conjugate:	This EPH Receptor B3 protein is labelled with His tag.

Product Details

Purpose:	Human EphB3 Protein
Sequence:	Gly34-Leu559
Characteristics:	Recombinant Human EphB3 Protein is expressed from HEK293 with His tag at the C-Terminus.It contains Gly34-Leu559.
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 B3 (EPHB3)
Alternative Name:	EphB3 (EPHB3 Products)

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Target Details

Background:	Although EphB3 expression is down-regulated in colorectal cancer (CRC) cells compared with normal intestinal epithelial cells.EphB3 is down-regulated in CRC compared to normal mucosa. Hypermethylation of CpG island is contributed to downregulation of EphB3 in CRC. EphB3 expression in tumor cells may be a useful prognostic indicator for patients with CRC.
Molecular Weight:	58.6 kDa. Due to glycosylation, the protein migrates to 65-68 kDa based on Tris-Bis PAGE result.
UniProt:	P54753
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 20 mM Tris, 150 mM NaCl (pH 7.5). 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

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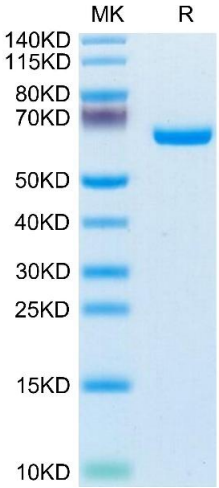
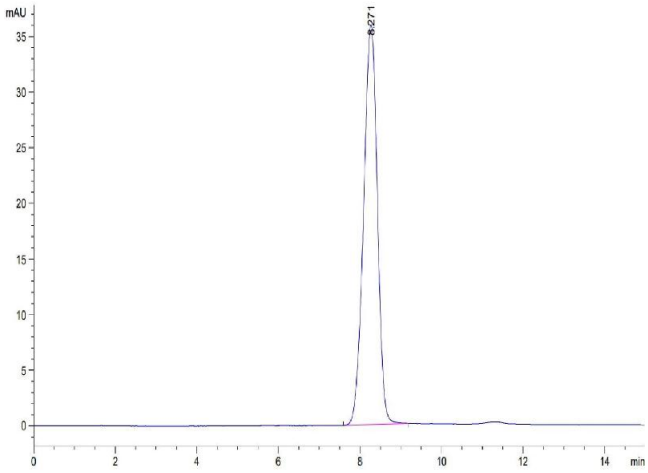


SDS-PAGE

Image 1. Human EphB3 on Tris-Bis PAGE under reduced condition. The purity is greater than 95 % .



Size-exclusion chromatography-High Pressure Liquid Chromatography

Image 2. The purity of Human EphB3 is greater than 95 % as determined by SEC-HPLC.

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