

Datasheet for ABIN7274531

Ephrin B2 Protein (EFNB2) (AA 28-229) (Fc Tag)**2** Images[Go to Product page](#)

Overview

Quantity:	100 µg
Target:	Ephrin B2 (EFNB2)
Protein Characteristics:	AA 28-229
Origin:	Human
Source:	HEK-293 Cells
Protein Type:	Recombinant
Purification tag / Conjugate:	This Ephrin B2 protein is labelled with Fc Tag.

Product Details

Purpose:	Human Ephrin-B2/EFNB2 Protein
Sequence:	Ile28-Ala229
Characteristics:	Recombinant Human Ephrin-B2/EFNB2 Protein is expressed from HEK293 with hFc tag at the C-Terminus.It contains Ile28-Ala229.
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:	Ephrin B2 (EFNB2)
Alternative Name:	Ephrin-B2 (EFNB2 Products)

Target Details

Background:	Ephrin-B2 controls platelet-derived growth factor receptor β (PDGFR β) distribution in the VSMC plasma membrane, endocytosis, and signaling in a fashion that is highly distinct from its role in the endothelium. Ephrin-B2 is an important regulator of PDGFR β endocytosis and thereby acts as a molecular switch controlling the downstream signaling activity of this receptor in mural cells.
Molecular Weight:	49 kDa. Due to glycosylation, the protein migrates to 50-70 kDa based on Tris-Bis PAGE result.
NCBI Accession:	NP_004084
Pathways:	RTK Signaling, Regulation of Muscle Cell Differentiation

Application Details

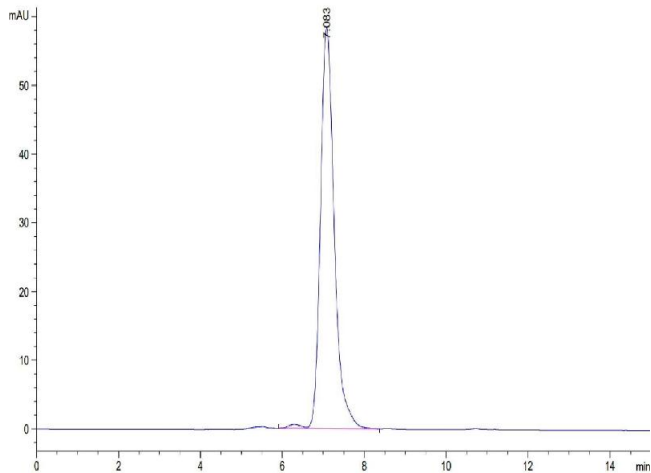
Restrictions:	For Research Use only
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Handling

Format:	Lyophilized
Reconstitution:	Centrifuge the tube before opening. Reconstituting to a concentration more than 100 μ g/mL is recommended. Dissolve the lyophilized protein in distilled water.
Buffer:	Lyophilized from 0.22 μ m 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 Ephrin B2 is greater than 95 % as determined by SEC-HPLC.



SDS-PAGE

Image 2. Human Ephrin B2 on Tris-Bis PAGE under reduced condition. The purity is greater than 95 % .

