

Datasheet for ABIN7275470

**Plexin A1 Protein (PLXNA1) (AA 27-1244) (His tag)**[Go to Product page](#)**2** Images

## Overview

Quantity:	100 µg
Target:	Plexin A1 (PLXNA1)
Protein Characteristics:	AA 27-1244
Origin:	Human
Source:	HEK-293 Cells
Protein Type:	Recombinant
Purification tag / Conjugate:	This Plexin A1 protein is labelled with His tag.

## Product Details

Purpose:	Human PLXNA1 Protein
Sequence:	Glu27-Pro1244
Characteristics:	Recombinant Human PLXNA1 Protein is expressed from HEK293 with His tag at the C-Terminus. It contains Glu27-Pro1244.
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:	Plexin A1 (PLXNA1)
Alternative Name:	PLXNA1 ( <a href="#">PLXNA1 Products</a> )

## Target Details

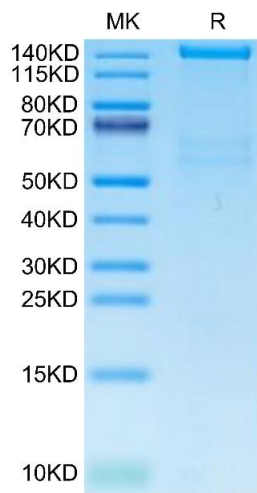
Background:	PLXNA1 (Plexin A1) is a member of plexin family that are the receptors of semaphorins. It is involved in cell migration and neuronal repulsion by affecting cytoskeletal remodeling. PLXNA1 can bind class 6 semaphorins and bind the class 3 semaphorins indirectly via Neuropilin-1 and -2.
Molecular Weight:	135 kDa. Due to glycosylation, the protein migrates to 140-155 kDa based on Tris-Bis PAGE result.
UniProt:	<a href="#">Q9UIW2</a>
Pathways:	<a href="#">Smooth Muscle Cell Migration</a>

## Application Details

Restrictions:	For Research Use only
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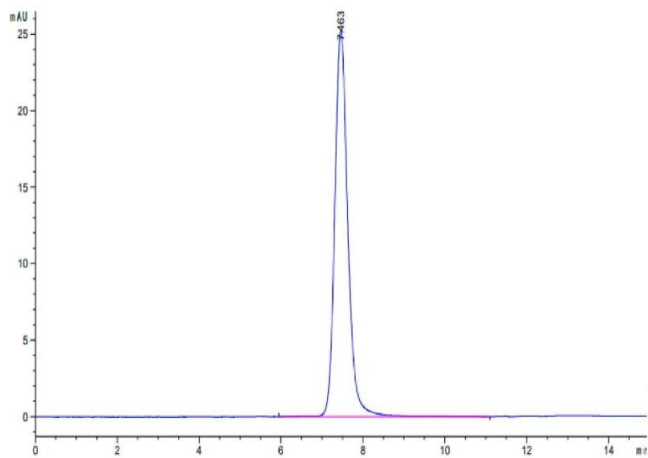
## Handling

Format:	Lyophilized
Reconstitution:	Centrifuge the tube before opening. Reconstituting to a concentration more than 100 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



SDS-PAGE

**Image 1.** Human PLXNA1 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 PLXNA1 is greater than 95 % as determined by SEC-HPLC.