

Datasheet for ABIN7275569

**SEMA4D/CD100 Protein (AA 24-733) (His tag)**[Go to Product page](#)**2** Images

## Overview

Quantity:	100 µg
Target:	SEMA4D/CD100 (SEMA4D)
Protein Characteristics:	AA 24-733
Origin:	Mouse
Source:	HEK-293 Cells
Protein Type:	Recombinant
Purification tag / Conjugate:	This SEMA4D/CD100 protein is labelled with His tag.

## Product Details

Purpose:	Mouse Semaphorin 4D/SEMA4D/CD100 Protein
Sequence:	Phe24-Arg733
Characteristics:	Recombinant Mouse Semaphorin 4D/SEMA4D/CD100 Protein is expressed from HEK293 with His tag at the C-Terminus. It contains Phe24-Arg733.
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:	SEMA4D/CD100 (SEMA4D)
Alternative Name:	Semaphorin 4D ( <a href="#">SEMA4D Products</a> )

## Target Details

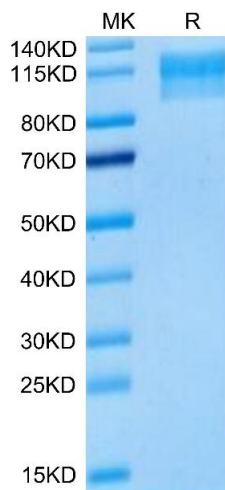
Background:	Semaphorin 4D (Sema4D) is a multifunctional protein widely expressed in an organism that plays an important role in the control of many physiological and pathological processes, including immunoregulation, neurogenesis, angiogenesis, and tumor progression.
Molecular Weight:	79.87 kDa. Due to glycosylation, the protein migrates to 100-130 kDa based on Tris-Bis PAGE result.
UniProt:	<a href="#">O09126</a>
Pathways:	<a href="#">Regulation of Cell Size</a>

## Application Details

Restrictions:	For Research Use only
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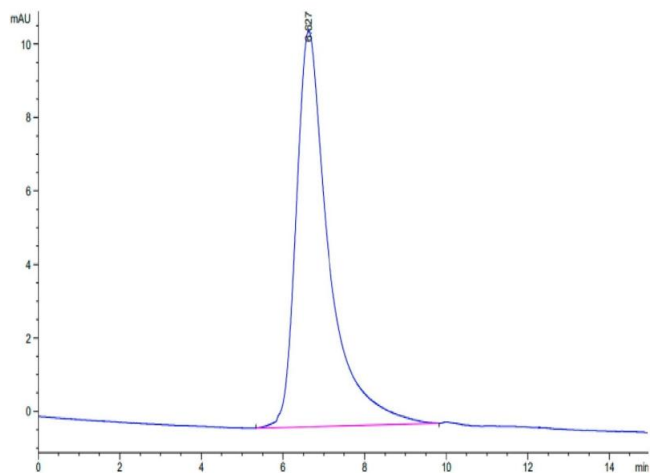
## Handling

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.** Mouse Semaphorin 4D 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 Mouse Semaphorin 4D is greater than 95 % as determined by SEC-HPLC.