

Datasheet for ABIN7274328

CADM3 Protein (AA 25-329) (His tag)[Go to Product page](#)**2** Images

Overview

Quantity:	100 µg
Target:	CADM3
Protein Characteristics:	AA 25-329
Origin:	Human
Source:	HEK-293 Cells
Protein Type:	Recombinant
Purification tag / Conjugate:	This CADM3 protein is labelled with His tag.

Product Details

Purpose:	Human CADM3 Protein
Sequence:	Asn25-Tyr329
Characteristics:	Recombinant Human CADM3 Protein is expressed from HEK293 with His tag at the C-Terminus. It contains Asn25-Tyr329.
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:	CADM3
Alternative Name:	CADM3 (CADM3 Products)

Target Details

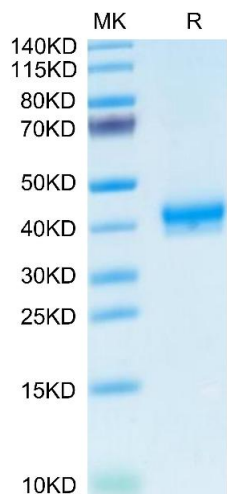
Background:	Cell adhesion molecules belonging to the Cadm family, and in particular Cadm3 (axonal) and its heterophilic binding partner Cadm4 (Schwann cell), mediate these interactions along the internode. over-expressing Cadm3 on the surface of DRG neuron axons results in an almost complete inability by Schwann cells to form myelin segments. Axons of superior cervical ganglion (SCG) neurons, which do not normally support the formation of myelin segments by Schwann cells, express higher levels of Cadm3 compared to DRG neurons.
Molecular Weight:	34.6 kDa. Due to glycosylation, the protein migrates to 38-45 kDa based on Tris-Bis PAGE result.
Pathways:	Cell-Cell Junction Organization

Application Details

Restrictions:	For Research Use only
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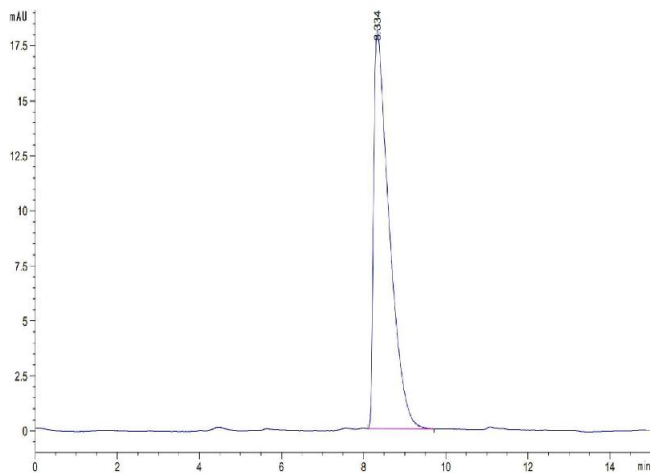
Handling

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 CADM3 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 CADM3 is greater than 95 % as determined by SEC-HPLC.