Datasheet for ABIN7274327
CADM3 Protein (AA 23-326) (His tag)

## 2 Images

## Overview

| Quantity: | $100 \mu \mathrm{~g}$ |
| :--- | :--- |
| Target: | CADM3 |
| Protein Characteristics: | AA 23-326 |
| Origin: | Cynomolgus |
| Source: | HEK-293 Cells |
| Protein Type: | Recombinant |
| Purification tag / Conjugate: | This CADM3 protein is labelled with His tag. |

Product Details

| Purpose: | Cynomolgus CADM3 Protein |
| :--- | :--- |
| Sequence: | Asn23-Thr326 |
| Characteristics: | Recombinant Cynomolgus CADM3 Protein is expressed from HEK293 with His tag at the C- <br> Terminus.It contains Asn23-Thr326. |
| Purity: | $>95 \%$ as determined by Tris-Bis PAGE,> 95 \% as determined by HPLC |
| Sterility: | Less than 1EU per $\mu \mathrm{g}$ by the LAL method. <br> Endotoxin Level: |
| Target Details | CADM3 |
| Target: | CADM3 (CADM3 Products) |
| Alternative Name: |  |

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: | 34.46 kDa. Due to glycosylation, the protein migrates to $40-50 \mathrm{kDa}$ based on Tris-Bis PAGE result. |
| UniProt: | A0A2K5UJL5 |
| Pathways: | Cell-Cell Junction Organization |
| Application Details |  |
| Restrictions: | For Research Use only |
| Handling |  |
| Format: | Lyophilized |
| Reconstitution: | Centrifuge the tube before opening. Reconstituting to a concentration more than $100 \mu \mathrm{~g} / \mathrm{mL}$ is recommended. Dissolve the lyophilized protein in distilled water. |
| Buffer: | Lyophilized from $0.22 \mu \mathrm{~m}$ filtered solution in PBS ( pH 7.4). Normally $8 \%$ trehalose is added as protectant before lyophilization. |
| Storage: | $-20^{\circ} \mathrm{C},-80^{\circ} \mathrm{C}$ |
| Storage Comment: | -20 to $-80^{\circ} \mathrm{C}$ for 12 months as supplied from date of receipt.. $-80^{\circ} \mathrm{C}$ for $3-6$ months after reconstitution. $2-8^{\circ} \mathrm{C}$ 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. Cynomolgus 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 Cynomolgus CADM3 is greater than $95 \%$ as determined by SEC-HPLC.

