

Datasheet for ABIN7273852

APCDD1 Protein (AA 27-492) (APC,His tag)[Go to Product page](#)**2** Images

Overview

Quantity:	100 µg
Target:	APCDD1
Protein Characteristics:	AA 27-492
Origin:	Mouse
Source:	HEK-293 Cells
Protein Type:	Recombinant
Purification tag / Conjugate:	This APCDD1 protein is labelled with APC,His tag.

Product Details

Purpose:	Mouse APCDD1 Protein
Sequence:	Leu27-Thr492
Characteristics:	Recombinant Mouse APCDD1 Protein is expressed from HEK293 with His tag at the C-Terminus. It contains Leu27-Thr492.
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:	APCDD1
Alternative Name:	APCDD1 (APCDD1 Products)

Target Details

Background: Adenomatosis polyposis coli downregulated 1 (APCDD1), a negative regulator of Wnt signaling, was examined to understand detailed mechanisms underlying Wnt signaling tooth development. In situ hybridization showed that *Apcdd1* was expressed in the condensed mesenchyme at the bud stage, and in the inner enamel epithelium (IEE), including enamel knot (EK) at the cap stage. APCDD1 modulates the gene expression of Wnt- and EK-related signaling molecules at the cap stage of tooth development, and is involved in tooth cusp patterning by modulating the epithelial rearrangement in the IEE.

Molecular Weight: 54.4 kDa. Due to glycosylation, the protein migrates to 65-68 kDa based on Tris-Bis PAGE result.

UniProt: [Q3U128](#)

Application Details

Restrictions: For Research Use only

Handling

Format: Lyophilized

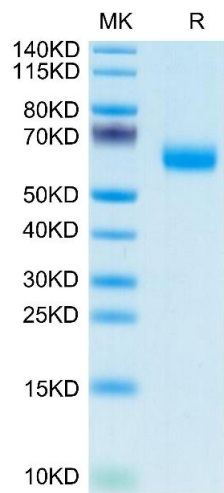
Reconstitution: Centrifuge the tube before opening. Reconstituting to a concentration more than 100 µg/mL is recommended. Dissolve the lyophilized protein in distilled water.

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

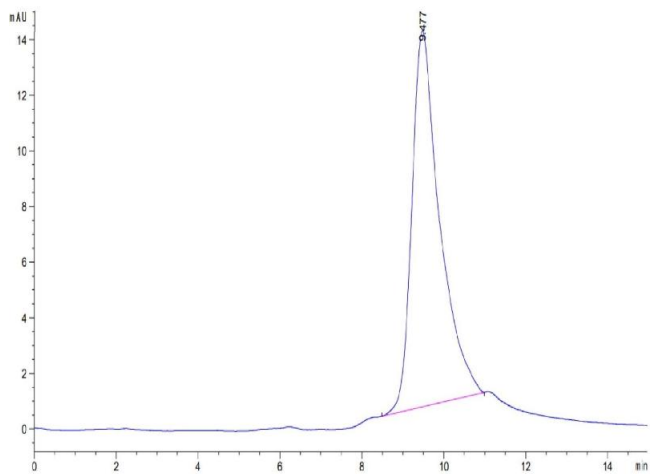
Storage Comment: -20 to -80°C for 12 months as supplied from date of receipt.,-80°C for 3-6 months after reconstitution.,2-8°C for 2-7 days after reconstitution.,Recommend to aliquot the protein into smaller quantities for optimal storage. Please minimize freeze-thaw cycles.

Expiry Date: 12 months



SDS-PAGE

Image 1. Mouse APCDD1 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 APCDD1 is greater than 95 % as determined by SEC-HPLC.