Datasheet for ABIN7504233

APCDD1 Protein (AA 27-492)

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Overview

Quantity:	100 µg
Target:	APCDD1
Protein Characteristics:	AA 27-492
Origin:	Human
Source:	HEK-293 Cells
Protein Type:	Recombinant

Product Details

Purpose:	Human APCDD1 Protein
Sequence:	Leu27-His492
Characteristics:	Recombinant Human APCDD1 Protein is expressed from HEK293 with hFc tag at the C-terminus.It contains Leu27-His492.
Purity:	> 95 % as determined by Tris-Bis PAGE
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)
Background:	Adenomatosis polyposis coli downregulated 1 (APCDD1), a negative regulator of Wnt signaling,

Target Details

	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:	80.06 kDa. Due to glycosylation, the protein migrates to 82-110 kDa based on Tris-Bis PAGE result.
UniProt:	Q8J025

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 0.22 µm 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