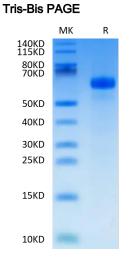
Human APCDD1 Protein

Cat. No. APD-HM101

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Recombinant Human APCDD1 Protein is expressed from HEK293 with His tag at the C-Terminus.
It contains Leu27-His492.
Q8J025
The protein has a predicted MW of 54.4 kDa. Due to glycosylation, the protein migrates to 58-68 kDa based on Tris-Bis PAGE result.
Less than 1EU per μg by the LAL method.
> 95% as determined by Tris-Bis PAGE
age
Lyophilized from 0.22µm filtered solution in PBS (pH 7.4). Normally 8% trehalose is added as protectant before lyophilization.
Centrifuge the tube before opening. Reconstituting to a concentration more than 100 µg/ml is recommended. Dissolve the lyophilized protein in distilled water.
-20 to -80°C for 12 months as supplied from date of receipt20 to -80°C for 3-6 months in unopened state 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.
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.

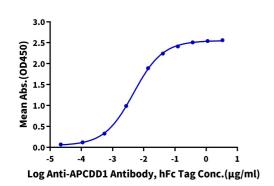
Assay Data



Human APCDD1 on Tris-Bis PAGE under reduced condition. The purity is greater than 95%.

ELISA Data

Human APCDD1, His Tag ELISA 0.2µg Human APCDD1, His Tag Per Well



Immobilized Human APCDD1, His Tag at 2µg/ml (100µl/well) on the plate. Dose response curve for Anti-APCDD1 Antibody, hFc Tag with the EC50 of 4.7ng/ml determined by ELISA.