

Recombinant Human axin 1 Protein, His tagged

Cat. No. AXIN1-13H **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant Human axin 1 protein (210-410 aa) with His tag was expressed in E. coli.
Species	Human
Source	E.coli
ProteinLength	210-410 aa
Description	This gene encodes a cytoplasmic protein which contains a regulation of G-protein signaling (RGS) domain and a dishevelled and axin (DIX) domain. The encoded protein interacts with adenomatosis polyposis coli, catenin beta-1, glycogen synthase kinase 3 beta, protein phosphate 2, and itself. This protein functions as a negative regulator of the wingless-type MMTV integration site family, member 1 (WNT) signaling pathway and can induce apoptosis. The crystal structure of a portion of this protein, alone and in a complex with other proteins, has been resolved. Mutations in this gene have been associated with hepatocellular carcinoma, hepatoblastomas, ovarian endometriod adenocarcinomas, and medullablastomas. Alternative splicing results in multiple transcript variants.
Molecular Mass	24 kDa
AA Sequence	MYTRTGSESPKVCSDQSSGSGTGKGISGYLPTLNEDEEWKCDQDMEDDGRDAA PPGRLPQKLLLETAAPRVSSRRYSEGREFRYGSWREPVNPYYVNAGYALAPATSA NDSEQQLSSDADTLSLTDSSVDGIPPYRIRKQHRREMQUESVQVNGRVPLPHIPRTY

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	RVPKEVRVEPQKFAEELIHRLEAVQRTREAEKLEHHHHHHHH
Endotoxin	< 1 EU/μg by LAL.
Purity	> 80 % by SDS-PAGE
Storage	Store it under sterile conditions at -20 to -80 centigrade. It is recommended that the protein be aliquoted for optimal storage. Avoid repeated freeze-thaw cycles.
Storage Buffer	Sterile PBS, pH 7.4, 10 % Glycerol
Concentration	1 mg/mL by BCA

GENE INFORMATION

Gene Name	AXIN1 axin 1 [Homo sapiens (human)]
Official Symbol	AXIN1
Synonyms	AXIN1; axin 1; axin-1; PPP1R49; protein phosphatase 1; regulatory subunit 49; axis inhibitor 1; fused, mouse, homolog of; axis inhibition protein 1; protein phosphatase 1, regulatory subunit 49; AXIN; MGC52315;
Gene ID	8312
mRNA Refseq	NM_003502
Protein Refseq	NP_003493
MIM	603816

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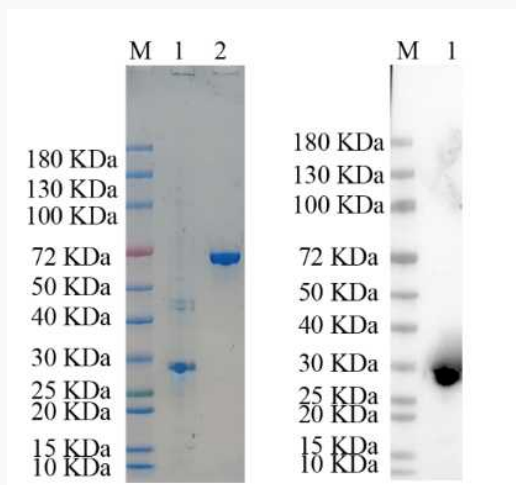
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UniProt ID

O15169

Reducing 4 %-20 %
SDS-PAGE (CBB
stained) and WB
(Anti-His Mouse
Monoclonal
antibody) analysis
profiles of purified
AXIN1.



1. AXIN1

2. BSA

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