

Product datasheet for TP308349L

Axin 1 (AXIN1) (NM_181050) Human Recombinant Protein

Product data:

Product Type:	Recombinant Proteins
Description:	Recombinant protein of human axin 1 (AXIN1), transcript variant 2, 1 mg
Species:	Human
Expression Host:	HEK293T
Expression cDNA Clone or AA Sequence:	>RC208349 representing NM_181050 Red =Cloning site Green =Tags(s)

MNIQEQQGFPLDLGASFTEDAPRPPVPGEEGELVSTDP RPASYSFCSGKGVGKGETSTATPRRSDDLGY
EPEGSASPTPPYLKWAESLHSLDDQDGISLFRFLKQEGCADLLDFWFACTGFRKLEPCDSNEEKRLKL
ARAIYRKYILDNNGIVSRQTKPATKSFIKGCIMKQLIDPAMFDQAQTEIQATMEENTYPSFLKSDIYLEY
TRTGSSEPKVCSDQSSSGTGKGISGYLPTLNEDEEWKCDQDMDEDDGRDAAPPGRLPQKLLLETAAPRV
SSRRYSEGREFRYGSWREPVNPYYVNAGYALAPATSANDSEQQLSSDADTSLTLDSSVDGIPPYRIRK
QHRREMQESVQVNGRVPLPHIPRTYRVPKEVRVPEQKFAEELIHRLEAVQRTREAEKLEERLKRVMEE
EGEDGDPSSGPPGPCHKLPPAPAWHHFPPRCVDMGCAGLRDAHEENPESILDEHVQRVLRTPGRQSPGPG
HRSPDSGHVAKMPVALGGAASGHGKHVPKSGAKLDAAGLHHHRHVHHHSTARPKQVEAEATRAAQS
SFAWGLEPHSHGARSRGYSESVGAAPNASDGLAHSGKGVACKRNAKKAESGKSASTEVPGASEDAEKNQ
KIMQWIIERGEKEISRHRRTGHGSSGTRKPQHENSRLSLEHPWAGPQLRTSVQPSHLFIQDPTMPPHPA
PNPLTQLEEARRRLEEEKSRASRAPSQRTRSQRKVGGSQAQPCDSIVVAYYFCGEPIPYRTLVRGRAVT
LGQFKELLTKKGSYRYFFKKSDFEDCGVVFEEVREDEAVLPVFEEKIIGKVEKVD

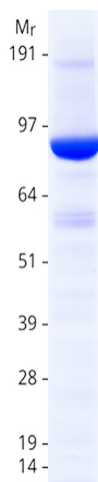
TRTRPLEQKLISEEDLAANDILDYKDDDDKV

Tag:	C-Myc/DDK
Predicted MW:	91.5 kDa
Concentration:	>0.05 µg/µL as determined by microplate BCA method
Purity:	> 80% as determined by SDS-PAGE and Coomassie blue staining
Buffer:	25 mM Tris-HCl, 100 mM glycine, pH 7.3, 10% glycerol
Bioactivity:	Pull-down assay (PMID: 27294323)
Preparation:	Recombinant protein was captured through anti-DDK affinity column followed by conventional chromatography steps.



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Note:	For testing in cell culture applications, please filter before use. Note that you may experience some loss of protein during the filtration process.
Storage:	Store at -80°C.
Stability:	Stable for 12 months from the date of receipt of the product under proper storage and handling conditions. Avoid repeated freeze-thaw cycles.
RefSeq:	NP_851393
Locus ID:	8312
UniProt ID:	O15169 , A0A0S2Z4S3
RefSeq Size:	3369
Cytogenetics:	16p13.3
RefSeq ORF:	2478
Synonyms:	AXIN; PPP1R49
Summary:	<p>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 endometrioid adenocarcinomas, and medullablastomas. Alternative splicing results in multiple transcript variants. [provided by RefSeq, Jan 2016]</p>
Protein Families:	Druggable Genome, ES Cell Differentiation/IPS, Stem cell relevant signaling - Wnt Signaling pathway
Protein Pathways:	Basal cell carcinoma, Colorectal cancer, Endometrial cancer, Pathways in cancer, Wnt signaling pathway

Product images:

Coomassie blue staining of purified AXIN1 protein (Cat# [TP308349]). The protein was produced from HEK293T cells transfected with AXIN1 cDNA clone (Cat# [RC208349]) using MegaTran 2.0 (Cat# [TT210002]).