

Recombinant Full Length Human AXIN2 Protein, GST-tagged

Cat. No. AXIN2-1066HF **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Human AXIN2 full-length ORF (AAH06295.1, 1 a.a. - 160 a.a.) recombinant protein with GST-tag at N-terminal.
Species	Human
Source	In Vitro Cell Free System
ProteinLength	160 amino acids
Description	The Axin-related protein, Axin2, presumably plays an important role in the regulation of the stability of beta-catenin in the Wnt signaling pathway, like its rodent homologs, mouse conductin/rat axil. In mouse, conductin organizes a multiprotein complex of APC (adenomatous polyposis of the colon), beta-catenin, glycogen synthase kinase 3-beta, and conductin, which leads to the degradation of beta-catenin. Apparently, the deregulation of beta-catenin is an important event in the genesis of a number of malignancies. The AXIN2 gene has been mapped to 17q23-q24, a region that shows frequent loss of heterozygosity in breast cancer, neuroblastoma, and other tumors. Mutations in this gene have been associated with colorectal cancer with defective mismatch repair. [provided by RefSeq, Jul 2008]
Molecular Mass	44.4 kDa
AA Sequence	MSSAMLVTC L PDPSSSFRED APRPPVPGEE GETPPCQPGV GKGQVTKPMP VSSNTRRND GLGEPEGRAS PDSPLTRWTK SLHSLLDGDQD GAYLFRTFLE REKCVDTLDF WFACNGFRQM NLKDTKTLRV ANDFCHDILF YLYCKLCIIK

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Applications	Enzyme-linked Immunoabsorbent Assay; Western Blot (Recombinant protein); Antibody Production; Protein Array
Storage	Store at -80 centigrade. Aliquot to avoid repeated freezing and thawing.
Storage Buffer	50 mM Tris-HCl, 10 mM reduced Glutathione, pH=8.0 in the elution buffer.
GENE INFORMATION	
Gene Name	AXIN2 axin 2 [Homo sapiens]
Official Symbol	AXIN2
Synonyms	AXIN2; axin 2; axin-2; axil; conductin; DKFZp781B0869; MGC126582; axin-like protein; axis inhibition protein 2; AXIL; MGC10366
Gene ID	8313
mRNA Refseq	NM_004655
Protein Refseq	NP_004646
MIM	604025
UniProt ID	Q9Y2T1

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