

# Recombinant Full Length Human AXIN2 Protein, GST-tagged

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

## SPECIFICATION

<b>Product Overview</b>	Human AXIN2 full-length ORF ( AAH06295.1, 1 a.a. - 160 a.a.) recombinant protein with GST-tag at N-terminal.
<b>Species</b>	Human
<b>Source</b>	In Vitro Cell Free System
<b>ProteinLength</b>	160 amino acids
<b>Description</b>	<p>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]</p>
<b>Molecular Mass</b>	44.4 kDa
<b>AA Sequence</b>	<p>MSSAMLVTCL PDPSSSFRED APRPPVPGEE GETPPCQPGV GKGQVTKPMP  VSSNTRRNED GLGEPEGRAS PDSPLTRWTK SLHSLLDGQD GAYLFRTFLE  REKCVDTLDF WFACNGFRQM NLKDTKTLRV ANDFCHDILF YLYCKLCIIK</p>

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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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