

## Recombinant Human AXIN2 Protein, His-tagged

Cat. No. AXIN2-391H Lot. No. (See product label)

### SPECIFICATION

|                         |   |
|-------------------------|---|
| <b>Product Overview</b> | Recombinant Human AXIN2(Pro350~Lys631) fused with His tag at N-terminal was expressed in E. coli.   |
| <b>Species</b>          | Human   |
| <b>Source</b>           | E.coli  |
| <b>ProteinLength</b>    | Pro350~Lys631   |
| <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.</p> |
| <b>Form</b>             | PBS, pH7.4, containing 0.01% SKL, 1mM DTT, 5% Trehalose and Proclin300.   |
| <b>Molecular Mass</b>   | 32.7kDa   |
| <b>Endotoxin</b>        | <1.0EU per 1ug (determined by the LAL method)   |

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|                       |  |
|-----------------------|--|
| <b>Purity</b>         | > 95%  |
| <b>Applications</b>   | Positive Control; Immunogen; SDS-PAGE; WB.<br>If bio-activity of the protein is needed, please check active protein  |
| <b>Stability</b>      | The thermal stability is described by the loss rate. The loss rate was determined by accelerated thermal degradation test, that is, incubate the protein at 37 centigrade for 48h, and no obvious degradation and precipitation were observed. The loss rate is less than 5% within the expiration date under appropriate storage condition. |
| <b>Storage</b>        | Avoid repeated freeze/thaw cycles. Store at 2-8 centigrade for one month. Aliquot and store at -80 centigrade for 12 months.   |
| <b>Reconstitution</b> | Reconstitute in PBS or others  |

## GENE INFORMATION

|                        |   |
|------------------------|---|
| <b>Gene Name</b>       | AXIN2 axin 2 [ Homo sapiens ]   |
| <b>Official Symbol</b> | AXIN2   |
| <b>Synonyms</b>        | AXIN2; axin 2; axin-2; axil; conductin; DKFZp781B0869; MGC126582; axin-like protein; axis inhibition protein 2; AXIL; MGC10366; |
| <b>Gene ID</b>         | 8313  |
| <b>mRNA Refseq</b>     | NM_004655   |
| <b>Protein Refseq</b>  | NP_004646   |
| <b>MIM</b>             | 604025  |

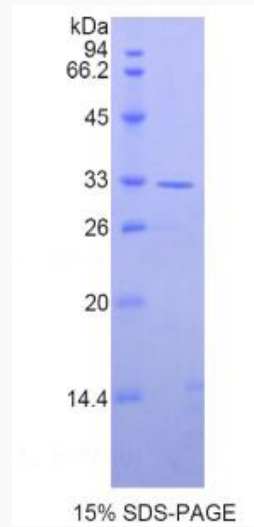
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UniProt ID

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