

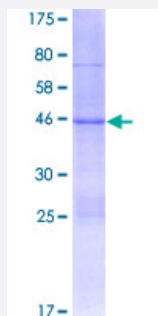
Full-Length

## AXIN2 (Human) Recombinant Protein (P01)

Catalog # H00008313-P01

Size 25 ug, 10 ug

### Applications



### Specification

|                               |                                                                                                                                                                         |
|-------------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Product Description           | Human AXIN2 full-length ORF ( AAH06295.1, 1 a.a. - 160 a.a.) recombinant protein with GST-tag at N-terminal.                                                            |
| Sequence                      | MSSAMLVTCPLDPSSSFREDAPRPPVPGEEGETPPCQPGVGKGQVTKPMPVSSNTRRNEDGL<br>GEPEGRASPDSPLTRWTKSLHSLLDQDQDGYLFRTFLEREKCVDTLDFWFACNGFRQMNLKDT<br>KTLRVANDFCHDILFYLYCKLCIKSSFKENYLVQ |
| Host                          | Wheat Germ (in vitro)                                                                                                                                                   |
| Theoretical MW (kDa)          | 44.4                                                                                                                                                                    |
| Interspecies Antigen Sequence | Mouse (95); Rat (95)                                                                                                                                                    |
| Preparation Method            | <a href="#">in vitro wheat germ expression system</a>                                                                                                                   |
| Purification                  | Glutathione Sepharose 4 Fast Flow                                                                                                                                       |
| Quality Control Testing       | 12.5% SDS-PAGE Stained with Coomassie Blue.                                                                                                                             |
| Storage Buffer                | 50 mM Tris-HCl, 10 mM reduced Glutathione, pH=8.0 in the elution buffer.                                                                                                |
| Storage Instruction           | Store at -80°C. Aliquot to avoid repeated freezing and thawing.                                                                                                         |

## Note

Best use within three months from the date of receipt of this protein.

## Applications

- Enzyme-linked Immunoabsorbent Assay
- Western Blot (Recombinant protein)
- Antibody Production
- Protein Array

## Gene Info — AXIN2

Entrez GeneID [8313](#)

GeneBank Accession# [BC006295.2](#)

Protein Accession# [AAH06295.1](#)

Gene Name AXIN2

Gene Alias AXIL, DKFZp781B0869, MGC10366, MGC126582

Gene Description axin 2

Omim ID [114500 604025 608615](#)

Gene Ontology [Hyperlink](#)

**Gene Summary**

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]

**Other Designations** conductin

## Pathway

- [Basal cell carcinoma](#)
- [Colorectal cancer](#)
- [Endometrial cancer](#)
- [Pathways in cancer](#)
- [Wnt signaling pathway](#)

## Disease

- [Adenocarcinoma](#)
- [Breast cancer](#)
- [Breast Neoplasms](#)
- [Carcinoma](#)
- [Cleft Lip](#)
- [Cleft Palate](#)
- [Colorectal Neoplasms](#)
- [Dental Enamel Hypoplasia](#)
- [Depressive Disorder](#)
- [Esophageal Neoplasms](#)
- [Genetic Predisposition to Disease](#)
- [Head and Neck Neoplasms](#)
- [Hirschsprung Disease](#)
- [Lung Neoplasms](#)
- [Neoplasm Invasiveness](#)
- [Neoplasms](#)

- [Osteoporosis](#)
- [Ovarian cancer](#)
- [Ovarian Neoplasms](#)
- [Pancreatic Neoplasms](#)
- [Pulmonary Disease](#)
- [Recurrence](#)
- [Retinoblastoma](#)
- [Tooth Abnormalities](#)
- [Urinary Bladder Neoplasms](#)
- [Werner syndrome](#)