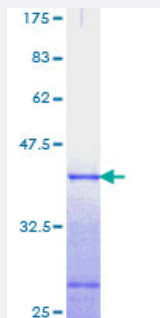


AXIN2 (Human) Recombinant Protein (Q01)

Catalog # H00008313-Q01

Size 25 ug, 10 ug

Applications



Specification

Product Description	Human AXIN2 partial ORF (NP_004646, 745 a.a. - 843 a.a.) recombinant protein with GST-tag at N-terminal.
Sequence	EDHKEPKKLAGVHALQASELVVTFYFCGEEIPYRRMLKAQSLTLGHFKEQLSKKGNYRYFFKKAS DEFACGAVFEEWEDETVLPMYEGRILGKVERID
Host	Wheat Germ (in vitro)
Theoretical MW (kDa)	36.63
Interspecies Antigen Sequence	Mouse (98); Rat (96)
Preparation Method	in vitro wheat germ expression system
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# [NM_004655](#)

Protein Accession# [NP_004646](#)

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

Publication Reference

- [Comparison of commercial nanoliquid chromatography columns for fast, targeted mass spectrometry-based proteomics.](#)

Vehus T, Seterdal KE, Krauss S, Lundanes E, Wilson SR.

Future Science OA 2016 Mar; 2(2):FSO119.

Application: MS/MS, Recombinant protein

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](#)