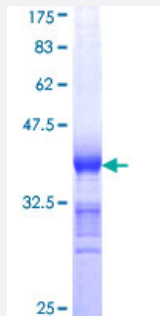


AXIN1 (Human) Recombinant Protein (Q02)

Catalog # H00008312-Q02

Size 10 ug, 25 ug

Applications



Specification

Product Description	Human AXIN1 partial ORF (NP_003493, 643 a.a. - 740 a.a.) recombinant protein with GST-tag at N-terminal.
Sequence	ISRHRRTGHGSSGTRKPQPHENSRPLSLEHPWAGPQLRTSVQPSHLFIQDPTMPPHPAPNPLTQLEEARRRLEEEEEKRASRAPSKQRYVQEVMMRRGRA
Host	Wheat Germ (in vitro)
Theoretical MW (kDa)	36.52
Interspecies Antigen Sequence	Mouse (78); Rat (78)
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 — AXIN1

Entrez GeneID [8312](#)

GeneBank Accession# [NM_003502](#)

Protein Accession# [NP_003493](#)

Gene Name AXIN1

Gene Alias AXIN, MGC52315

Gene Description axin 1

Omim ID [114550](#) [603816](#) [607864](#)

Gene Ontology [Hyperlink](#)

Gene Summary This gene encodes a cytoplasmic protein which contains a regulation of G-protein signaling (RGS) domain and a dishevelled and axin (DIX) domain. The encoded protein interacts with adenomatosis polyposis coli, catenin (cadherin-associated protein), beta 1, 88kDa, glycogen synthase kinase 3 beta, protein phosphate 2, and itself. This protein functions as a negative regulator of the wingless-type MMTV integration site family, member 1 (WNT) signaling pathway and can induce apoptosis. The crystal structure of a portion of this protein, alone and in a complex with other proteins, has been resolved. Mutations in this gene have been associated with hepatocellular carcinoma, hepatoblastomas, ovarian endometrioid adenocarcinomas, and medulloblastomas. Two transcript variants encoding distinct isoforms have been identified for this gene. [provided by RefSeq]

Other Designations axis inhibition protein 1|axis inhibitor 1|fused, mouse, homolog of

Pathway

- [Basal cell carcinoma](#)

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

Disease

- [Adenoma](#)
- [Breast cancer](#)
- [Breast Neoplasms](#)
- [Cardiovascular Diseases](#)
- [Chromosome Deletion](#)
- [Colorectal Neoplasms](#)
- [Diabetes Mellitus](#)
- [Edema](#)
- [Heart Defects](#)
- [Neoplasm Invasiveness](#)
- [Tobacco Use Disorder](#)