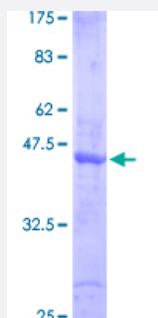


SMAD6 (Human) Recombinant Protein (Q01)

Catalog # H00004091-Q01

Size 25 ug, 10 ug

Applications



Specification

Product Description	Human SMAD6 partial ORF (NP_005576, 285 a.a. - 384 a.a.) recombinant protein with GST-tag at N-terminal.
Sequence	RDEYKPLDLSNSTLSYTETATNSLITAPGEFSDASMSPDATKPSHWCSVAYWEHRTRVGRLYAV YDQAVSIFYDLPQGSGFCLGQLNLEQRSESVRRTR
Host	Wheat Germ (in vitro)
Theoretical MW (kDa)	36.74
Interspecies Antigen Sequence	Mouse (99)
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 — SMAD6

Entrez GeneID [4091](#)

GeneBank Accession# [NM_005585](#)

Protein Accession# [NP_005576](#)

Gene Name SMAD6

Gene Alias HsT17432, MADH6, MADH7

Gene Description SMAD family member 6

Omim ID [602931](#)

Gene Ontology [Hyperlink](#)

Gene Summary The protein encoded by this gene belongs to the SMAD family of proteins, which are related to *Drosophila* 'mothers against decapentaplegic' (Mad) and *C. elegans* Sma. SMAD proteins are signal transducers and transcriptional modulators that mediate multiple signaling pathways. This protein functions in the negative regulation of BMP and TGF-beta/activin-signalling. Multiple transcript variants encoding different isoforms have been found for this gene

Other Designations MAD (mothers against decapentaplegic, *Drosophila*) homolog 6|MAD, mothers against decapentaplegic homolog 6|Mothers against decapentaplegic, *drosophila*, homolog of, 6|SMAD, mothers against DPP homolog 6

Pathway

- [TGF-beta signaling pathway](#)

Disease

- [Anemia](#)
- [Bacteremia](#)
- [Colorectal Neoplasms](#)
- [Diabetes Mellitus](#)
- [Genetic Predisposition to Disease](#)
- [Hypertension](#)
- [Keloid](#)
- [Obesity](#)
- [Ovarian Failure](#)
- [Polycystic Ovary Syndrome](#)
- [Puberty](#)
- [Thrombophilia](#)
- [Tobacco Use Disorder](#)