

Recombinant Human SMAD6 Protein, GST-tagged

SMAD6-22H Human

Lot. No. (See product label)

Specification

Product Overview Human SMAD6 full-length ORF (AAH12986.1, 1 a.a. - 496 a.a.) recombinant protein with GST tag at N-terminal.

Description 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 have been found for this gene.[provided by RefSeq, Sep 2014]

Source Wheat Germ

Species Human

Tag GST

Molecular Mass 80.96 kDa

AA Sequence
MFRSKRSGLVRRLLWRSRVVPDREEGGSGGGGGGDEEDGSLGSRAEPAPRAREGGGGCGRSEVR
PVAPRRRPRDAVGQRGAQQGAGRRRRAGPPRPMSEPGAGAGSSLLDVAEPGGPGWLPESDCE
TVTCLFSEFDAAGAPRDASDPLAGAALPAGGGRSREARSRLLELQELKTVTYSLKRLKERS
LDTLLEAVESRGGVPGGCVLVPRADLRLGGQPAPPQLLLGRLFRWPDQLHVELKPLCGCHSFA
AAADGPTVCCNPYHFSRLCGPESPPPPYSRLSPRDEYKPLDLSDESTLSYTETATNSLITAPGEF
SDASMSPDATKPSHWCSVAYWEHRTRVGRLYAVYDQAVSIFYDLPQGGSGFCLGQLNLEQRSES
VRRTRSKIGFGILLSKEPDGVWAYNRGEHPFVNSPTLDAPGGRALVVRKVPPGYSIKVDFDERS
GLQHAPEPDAADGPYDPNSVRISFAKGGWGPCYSRQFITSCPCWLEILLNNPR

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

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

Storage Store at -80 centigrade. Aliquot to avoid repeated freezing and thawing.

Storage Buffer 50 mM Tris-HCl, 10 mM reduced Glutathione, pH=8.0 in the elution buffer.

Gene Information

Gene Name [SMAD6 SMAD family member 6 \[Homo sapiens \(human\) \]](#)

Official Symbol [SMAD6](#)

Synonyms SMAD6; SMAD family member 6; AOVD2; MADH6; MADH7; HsT17432; mothers against

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decapentaplegic homolog 6; MAD homolog 6; SMAD, mothers against DPP homolog 6; mothers against decapentaplegic, drosophila, homolog of, 6

Gene ID	4091
mRNA Refseq	NM_005585
Protein Refseq	NP_005576
MIM	602931
UniProt ID	O43541

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