

Datasheet for ABIN7313592

SMAD1 Protein (AA 1-465) (GST tag)



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Overview

Quantity:	50 µg
Target:	SMAD1
Protein Characteristics:	AA 1-465
Origin:	Human
Source:	Escherichia coli (E. coli)
Protein Type:	Recombinant
Purification tag / Conjugate:	This SMAD1 protein is labelled with GST tag.
Application:	Western Blotting (WB), SDS-PAGE (SDS), ELISA, Mass Spectrometry (MS)

Product Details

Purpose:	Recombinant Human SMAD1 Protein is produced by our E. coli expression system and the target gene encoding Met1-Ser465 is expressed with a GST tag at the N-terminus.
Sequence:	MSPILGYWKI KGLVQPTRLL LEYLEEKYEE HLYERDEGDK WRNKKFELGL EFPNLPYYID GDVKLTQSMA IIRYADKHN MLGGCPKERA EISMLEGAVL DIRYGVSRIA YSKDFETLKV DFLSKLPEML KMFEDRLCHK TYLNGDHVTH PDFMLYDALD VVLYMDPMCL DAFPKLVCFK KRIEAIQID KYLKSSKYIA WPLQGWQATF GGGDHPPKSD LVPRGSHMNV TSLFSFTSPA VKRLLGWKQG DEEEKWAEKA VDALVKKLKK KKGAMEELEK ALSCPGQPSN CVTIPRSLDG RLQVSHRKGL PHVIYCRVWR WPDQLSHHEL KPLECCEFPF GSKQKEVCIN PYHYKRVESP VLPPVLVPRH SEYNPQHSL L AQFRNLGQNE PHMPLNATFP DSFQQPN SHP FPHSPNSSYP NSPGSSSSTY PHSPTSSDPG SPFQMPADTP PPAYLPPEDP MTQDGSQPM D TNMMAPPLPS EINRGDVQAV AYEEPKHWCS IVYYELNNRV GEAFHASSTS VLVDGFTDPS NNKNRFCLGL LSNVNRNSTI ENTRRHIGKG VHLYYVGGEV YAECLSDSSI FVQSRNCNYH HGFHPTTVCK

Product Details

IPSGCSLKIF NNQEFAQLLA QSVNHGFETV YELTKMCTIR MSFVKGWGAE YHRQDVTSTP
CWIEIHLHGP LQWLDKVLQ MGSPHNPISS VS

Purity: Greater than 95 % as determined by reducing SDS-PAGE.

Sterility: 0.2 µm filtered

Endotoxin Level: Less than 0.1 ng/µg (1 IEU/µg) as determined by LAL test.

Target Details

Target: SMAD1

Alternative Name: SMAD1 ([SMAD1 Products](#))

Gene ID: 4086

UniProt: [Q15797](#)

Pathways: [Stem Cell Maintenance](#), [Regulation of Muscle Cell Differentiation](#), [Skeletal Muscle Fiber Development](#)

Application Details

Restrictions: For Research Use only

Handling

Format: Lyophilized

Buffer: Lyophilized from a 0.2 µM filtered solution of 20 mM Tris-HCl, 150 mM NaCl, pH 8.0.

Handling Advice: Always centrifuge tubes before opening. Do not mix by vortex or pipetting. It is not recommended to reconstitute to a concentration less than 100 µg/mL. Dissolve the lyophilized protein in 1X PBS. Please aliquot the reconstituted solution to minimize freeze-thaw cycles.

Storage: -20 °C

Storage Comment: Lyophilized protein should be stored at -20°C, though stable at room temperature for 3 weeks. Reconstituted protein solution can be stored at 2-8°C for 2-7 days. Aliquots of reconstituted samples are stable at -20°C for 3 months.