Datasheet for ABIN1620515

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

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Overview

Quantity:	1 mg
Target:	SMAD1
Protein Characteristics:	AA 1-465
Origin:	Cow
Source:	Yeast
Protein Type:	Recombinant
Purification tag / Conjugate:	This SMAD1 protein is labelled with His tag.
Application:	ELISA

Product Details

Sequence:	MNVTSLFSFT SPAVKRLLGW KQGDEEEKWA EKAVDALVKK LKKKKGAMEE LEKALSCPGQ PSNCVTIPRS LDGRLQVSHR KGLPHVIYCR VWRWPDLQSH HELKPLECCE FPFGSKQKEV CINPYHYKRV ESPVLPPVLV PRHSEYNPQH SLLAQFRNLG QNEPHMPLNA TFPDSFQQPN SHPFPHSPNS SYPNSPGSSS STYPHSPTSS DPGSPFQMPA DTPPPAYLPP EDPMTQDGSQ PMDTNMMAPS LPSEINRGDV QAVAYEEPKH WCSIVYYELN NRVGEAFHAS STSVLVDGFT DPSNNKNRFC LGLLSNVNRN STIENTRRHI GKGVHLYYVG GEVYAECLSD SSIFVQSRNC NYHHGFHPTT VCKIPSGCSL KIFNNQEFAQ LLAQSVNHGF ETVYELTKMC TIRMSFVKGW GAEYHRQDVT STPCWIEIHL HGPLQWLDKV LTQMGSPHNP ISSVS
Specificity:	Bos taurus (Bovine)
Characteristics:	Please inquire if you are interested in this recombinant protein expressed in E. coli, mammalien cells or by baculovirus infection. Be aware about differences in price and lead time.

Product Details

Purity:	> 90 %

Target Details

Target:	SMAD1
Alternative Name:	Mothers against decapentaplegic homolog 1 (SMAD1) (SMAD1 Products)
Background:	Recommended name: Mothers against decapentaplegic homolog 1. Short name= MAD homolog 1. Short name= Mothers against DPP homolog 1. Alternative name(s): SMAD family member 1. Short name= SMAD 1. Short name= Smad1
UniProt:	Q1JQA2
Pathways:	Stem Cell Maintenance, Regulation of Muscle Cell Differentiation, Skeletal Muscle Fiber Development

Application Details

Comment:	The yeast protein expression system is the most economical and efficient eukaryotic system for secretion and intracellular expression. A protein expressed by the mammalian cell system is of very high-quality and close to the natural protein. But the low expression level, the high cost of medium and the culture conditions restrict the promotion of mammalian cell expression systems. The yeast protein expression system serve as a eukaryotic system integrate the advantages of the mammalian cell expression system. A protein expressed by yeast system could be modificated such as glycosylation, acylation, phosphorylation and so on to ensure the native protein conformation. It can be used to produce protein material with high added value that is very close to the natural protein. Our proteins produced by yeast expression system has been used as raw materials for downstream preparation of monoclonal antibodies.
Restrictions:	For Research Use only

Handling

Format:	Lyophilized
Concentration:	0.2-2 mg/mL
Buffer:	Tris-based buffer, 50 % glycerol

Handling

Handling Advice:	Repeated freezing and thawing is not recommended. Store working aliquots at 4 °C for up to one week
Storage:	-20 °C
Storage Comment:	Store at -20 °C, for extended storage, conserve at -20 °C or -80 °C.