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Datasheet for ABIN1653533  
**SMAD2 Protein (AA 1-468) (His tag)**

### Overview

Quantity:	1 mg
Target:	SMAD2
Protein Characteristics:	AA 1-468
Origin:	Zebrafish (Danio rerio)
Source:	Yeast
Protein Type:	Recombinant
Purification tag / Conjugate:	This SMAD2 protein is labelled with His tag.
Application:	ELISA

### Product Details

Sequence:	MSSILPFTPP VVKRLLGWKK SASGSSGAGG GGEQNGQEEK WCEKAVKSLV KKLKKTGQLD ELEKAITTQN RNTKCVTIPS NCSEIWGLST PNTIEQWDTG GLYSYDQTR SLDGRLQVSH RKGLPHVIYC RLWRWPDLS HHELRAIETC EYAFNLKKDE VCVNPYHYQR VETPVLPPVL VPRHTEILTE LPPLDDYTNS IPENTNFPTG IEPPNNYIPE TPPPGYISED GEASDQQMNQ SMDTGSPAEL SPSTLSPVNH GMDLQPVTYS EPAFWCSIA YELNQRVGET FHASQPSTLV DGFTDPSNSE RFCLGLLSNV NRNATVEMTR RHIGRGVRL YIGGEVFAEC LSDSAIFVQS PNCNQRYGWH PATVCKIPPG CNLKIFNNQE FAALLAQSVN QGFEAVYQLT RMCTIRMSFV KGWGAEYRRQ TVTSTPCWIE LHLNGPLQWL DKVLTQMGSP SVRCSSMS
Specificity:	Danio rerio (Zebrafish) (Brachydanio rerio)
Characteristics:	Please inquire if you are interested in this recombinant protein expressed in E. coli, mammalian cells or by baculovirus infection. Be aware about differences in price and lead time.

## Product Details

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Purity: > 90 %

## Target Details

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Target: SMAD2

Alternative Name: Mothers against decapentaplegic homolog 2 (smad2) ([SMAD2 Products](#))

Background: Recommended name: Mothers against decapentaplegic homolog 2.

Short name= MAD homolog 2.

Short name= Mothers against DPP homolog 2.

Alternative name(s): SMAD family member 2.

Short name= SMAD 2.

Short name= Smad2

UniProt: [Q9I9P9](#)

Pathways: [Cell Division Cycle](#), [Hormone Transport](#), [Chromatin Binding](#), [Protein targeting to Nucleus](#)

## Application Details

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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 modified 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

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Format: Lyophilized

Concentration: 0.2-2 mg/mL

Buffer: Tris-based buffer, 50 % glycerol

Handling Advice: Repeated freezing and thawing is not recommended. Store working aliquots at 4 °C for up to

## Handling

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one week

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Storage: -20 °C

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Storage Comment: Store at -20 °C, for extended storage, conserve at -20 °C or -80 °C.