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Datasheet for ABIN1658775

## SMAD5 Protein (AA 1-464) (His tag)

### Overview

Quantity:	1 mg
Target:	SMAD5
Protein Characteristics:	AA 1-464
Origin:	Zebrafish (Danio rerio)
Source:	Yeast
Protein Type:	Recombinant
Purification tag / Conjugate:	This SMAD5 protein is labelled with His tag.
Application:	ELISA

### Product Details

Sequence:	<p>MTSMSSLFSF TSPAVKRLG WKQGDEEEKW AEKAVDALVK KLKKKKGAME DLEKALSSPG</p> <p>QPSKCVTIPR SLDGRLQVSH RKGLPHVIYC RVWRWPDLS HHEKPLEVC EYPFGSKQKE</p> <p>VCINPYHYKR VESPLPPVL VPRHSEFNPQ HSLLVQFRNL SHNEPHMPLN ATFPEFQKH</p> <p>SGGSSFPISP NSPYPPSPAS SGTYPNPAS SGPSSPFQLP ADTPPPAYMP PDEQMGQDGS</p> <p>QSMETGSSLA PQNMPRGDVQ PVEYQEPHW CSIVYYELNN RVGEAYHASS TSVLVDGFTD</p> <p>PSNNKNRFCL GLLSNVNRNS TIENTRRHIG KGVHLYVVG EVYAECLSDT SIFVQSRNCN</p> <p>YHHGFHPTTV CKIPSGCSLK IFNNQEFAQL LAQSVNHGFE AVYELTKMCT IRMSFVKGWG</p> <p>AEYHRQDVTS TPCWIEVHLH GPLQWLDKVL TQMGSPNPI SSVS</p>
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

Purity: > 90 %

## Target Details

Target: SMAD5

Alternative Name: Mothers against decapentaplegic homolog 5 (smad5) ([SMAD5 Products](#))

Background: Recommended name: Mothers against decapentaplegic homolog 5.  
Short name= MAD homolog 5.  
Short name= Mothers against DPP homolog 5.  
Alternative name(s): Protein somitabun SMAD family member 5.  
Short name= SMAD 5.  
Short name= Smad5

UniProt: [Q9W7E7](#)

## 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 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

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 one week

## Handling

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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.