

Datasheet for ABIN7561558
SMAD9 Protein (AA 1-430) (His tag)



[Go to Product page](#)

Overview

Quantity:	1 mg
Target:	SMAD9
Protein Characteristics:	AA 1-430
Origin:	Mouse
Source:	HEK-293 Cells
Protein Type:	Recombinant
Purification tag / Conjugate:	This SMAD9 protein is labelled with His tag.

Product Details

Purpose:	Custom-made recombinant Smad9 Protein expressed in mammalian cells.
Sequence:	MHPSTPISSL FSFTSPAVKR LLGWKQGDEE EKWAEKAVDS LVKCLKKKKG AMDELERALS CPGQPSKCVT IPRSLDGRQLQ VSHRKGPHV IYCRVWRWPD LQSHHELKPL ECCEFPFGSK QKEVCINPYH YRRVETPVLV PVLVPRHSEY NPQLSLLAKF RSASLHSEPL MPH NATYPDS FQQSLCPAPP SSPGHVFPQS PCPTSYPHSP GSPSESDSPY QHSDFRPVCY EEPQHWCSVA YYELNNRVGE TFQASSRVL IDGFTDPSNN RNRFLGLLS NVNRNSTIEN TRRHIGKGVH LYYVGGEVYA ECVSDSSIFV QSRNCNYQH G FHPATVCKIP SGCSLKVFN QLF AQLLAQS VHHGFEVVE LTKMCTIRMS FVKGWGA EYH RQDVTSTPCW IEIHLHGPLQ WLDKVL TQMG SPHNPISSVS Sequence without tag. The proposed Purification-Tag is based on experiences with the expression system, a different complexity of the protein could make another tag necessary. In case you have a special request, please contact us.
Specificity:	If you are looking for a specific domain and are interested in a partial protein or a different isoform, please contact us regarding an individual offer.

Product Details

Characteristics:

Key Benefits:

- Made to order protein - from design to production - by highly experienced protein experts.
- Protein expressed in mammalian cells and purified in one-step affinity chromatography
- The optimized expression system ensures reliability for intracellular, secreted and transmembrane proteins.
- State-of-the-art algorithm used for plasmid design (Gene synthesis).

This protein is a made-to-order protein and will be made for the first time for your order. Our experts in the lab try to ensure that you receive soluble protein.

If you are not interested in a full length protein, please contact us for individual protein fragments.

The big advantage of ordering our made-to-order proteins in comparison to ordering custom made proteins from other companies is that there is no financial obligation in case the protein cannot be expressed or purified.

Purity:

> 90 % as determined by Bis-Tris PAGE, anti-tag ELISA, Western Blot and analytical SEC (HPLC)

Grade:

custom-made

Target Details

Target:

SMAD9

Alternative Name:

Smad9 ([SMAD9 Products](#))

Background:

Mothers against decapentaplegic homolog 9 (MAD homolog 9) (Mothers against DPP homolog 9) (SMAD family member 9) (SMAD 9) (Smad9) (Smad8),FUNCTION: Transcriptional modulator activated by BMP (bone morphogenetic proteins) type 1 receptor kinase. SMAD9 is a receptor-regulated SMAD (R-SMAD). Has been shown to be activated by activin type I receptor-like kinases (ALK-2, ALK-3, ALK-6) which stimulate heteromerization between SMAD9 and SMAD4. May play a role in osteoblast differentiation and maturation.

Molecular Weight:

48.6 kDa

UniProt:

[Q9JIW5](#)

Application Details

Application Notes:

We expect the protein to work for functional studies. As the protein has not been tested for functional studies yet we cannot offer a guarantee though.

Application Details

Restrictions: For Research Use only

Handling

Format: Liquid

Buffer: The buffer composition is at the discretion of the manufacturer.

Handling Advice: Avoid repeated freeze-thaw cycles.

Storage: -80 °C

Storage Comment: Store at -80°C.

Expiry Date: 12 months