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Datasheet for ABIN1477462
BMP7 Protein (AA 283-426) (His tag)

Overview

Quantity:	1 mg
Target:	BMP7
Protein Characteristics:	AA 283-426
Origin:	Xenopus laevis
Source:	Yeast
Protein Type:	Recombinant
Purification tag / Conjugate:	This BMP7 protein is labelled with His tag.
Application:	ELISA

Product Details

Sequence:	STSNKHWN QERAKTYKEQ DNLPPANITD GIMPPGKRRF LKQACKKHEL FVSFRDLGWQ DWIIAPEGYA AYYCDGECAP PLNSFMNATN HAIVQTLVHF INPETVPKPC CAPTQLNGIS VLYFDDSANV ILKKYKNMVV QACGCH
Specificity:	Xenopus laevis (African clawed frog)
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.
Purity:	> 90 %

Target Details

Target:	BMP7
Abstract:	BMP7 Products

Target Details

Background: Recommended name: Bone morphogenetic protein 7.
Short name= BMP-7.
Short name= xBMP7.
Alternative name(s): Osteogenic protein 1.
Short name= OP-1

UniProt: [P30886](#)

Pathways: [Steroid Hormone Mediated Signaling Pathway, Stem Cell Maintenance](#)

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

Storage: -20 °C

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