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Zuschläge

- Mindermengenzuschlag
- Trockeneiszuschlag
- Gefahrgutzuschlag
- Expressversand

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Datasheet

BMP7 (Human) Recombinant Protein (P01)

Catalog Number: H00000655-P01

Regulation Status: For research use only (RUO)

Product Description: Human BMP7 full-length ORF (AAH08584, 1 a.a. - 431 a.a.) recombinant protein with GST-tag at N-terminal.

Sequence:

MHVRSRLAAAPHSFVALWAPLFLRSALADFSLDNEV
HSSFIHRRLSQERREMQRREILSILGLPHRPRPHLQGK
HNSAPMFMLDLYNAMAVEEGGGPGGQGFSPYKAVF
STQGPPLASLQDSHFLTDADMVMSFVNLVEHDKEFFH
PRYHHREFRFDLSKIPEGEAVTAAEFRIYKDYIRERFD
NETFRISVYQVLQEHLGRESDFLLDSRTLWASEEGW
LVFDITATSNHWVVNPRHNLGLQLSVETLDGQSINPKL
AGLGRHGPPQNKQPFMVAFFKATEVHFERSIRSTGSKQ
RSQNRSKTPKNQEALRMANVAENSSSDQRQACKKHE
LYVSFRDLGWQDWIIAPEGYAAAYYCEGECAPPLNSYM
NATNHAIVQTLVHFIPETVPKPCCAPTQLNAISVLYFD
DSSNVILKKYRNMVVRACGCH

Host: Wheat Germ (in vitro)

Theoretical MW (kDa): 73.15

Applications: AP, Array, ELISA, WB-Re

(See our web site product page for detailed applications information)

Protocols: See our web site at

<http://www.abnova.com/support/protocols.asp> or product page for detailed protocols

Preparation Method: [in vitro wheat germ expression system](#)

Purification: Glutathione Sepharose 4 Fast Flow

Storage Buffer: 50 mM Tris-HCl, 10 mM reduced Glutathione, pH=8.0 in the elution buffer.

Storage Instruction: Store at -80°C. Aliquot to avoid repeated freezing and thawing.

Entrez GeneID: 655

Gene Symbol: BMP7

Gene Alias: OP-1

Gene Summary: The bone morphogenetic proteins (BMPs) are a family of secreted signaling molecules that can induce ectopic bone growth. Many BMPs are part of the transforming growth factor-beta (TGFB) superfamily. BMPs were originally identified by an ability of demineralized bone extract to induce endochondral osteogenesis in vivo in an extraskeletal site. Based on its expression early in embryogenesis, the BMP encoded by this gene has a proposed role in early development and possible bone inductive activity. [provided by RefSeq]

References:

1. Gremlin-Mediated Decrease in Bone Morphogenetic Protein Signaling Promotes Pulmonary Fibrosis. Myllarniemi M, Lindholm P, Ryyanen MJ, Kliment CR, Salmenkivi K, Keski-Oja J, Kinnula VL, Oury TD, Koli K. Am J Respir Crit Care Med. 2008 Feb 1;177(3):321-9. Epub 2007 Nov 1.