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Zuschläge

- Mindermengenzuschlag
- Trockeneiszuschlag
- Gefahrgutzuschlag
- Expressversand

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Datasheet

SOSTDC1 (Human) Recombinant Protein (P01)

Catalog Number: H00025928-P01

Regulation Status: For research use only (RUO)

Product Description: Human SOSTDC1 full-length ORF (NP_056279.1, 1 a.a. - 206 a.a.) recombinant protein with GST-tag at N-terminal.

Sequence:

MLPPAIHFYLLPLACILMKSCFLAFKNDTEILYSHVVKP
VPAHPSSNSTLNQARNNGRRHFSNTGLDRNTRVQVGC
RELSTKYISDGQCTSISPLKELVCAGECLPLVLPNWI
GGYGTKYWSRRSSQEWRCVNDKTRTQRIQLQCQD
GSTRYKITYVTACKCKRYTRQHNESSHNFESMSPAK
PVQHHRERKRASKSSKHSMS

Host: Wheat Germ (in vitro)

Theoretical MW (kDa): 49.7

Interspecies Antigen Sequence: Mouse (97); Rat (96)

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: 25928

Gene Symbol: SOSTDC1

Gene Alias: CDA019, DKFZp564D206, ECTODIN, USAG1

Gene Summary: This gene is a member of the sclerostin family and encodes an N-glycosylated, secreted protein with a C-terminal cystine knot-like domain. This protein functions as a bone morphogenetic protein (BMP) antagonist. Specifically, it directly associates with BMPs, prohibiting them from binding their receptors, thereby regulating BMP signaling during cellular proliferation, differentiation, and programmed cell death. [provided by RefSeq]

References:

1. Shh signaling is essential for rugae morphogenesis in mice. Lee JM, Miyazawa S, Shin JO, Kwon HJ, Kang DW, Choi BJ, Lee JH, Kondo S, Cho SW, Jung HS. *Histochem Cell Biol.* 2011 Dec;136(6):663-75. Epub 2011 Oct 25.