



# SZABO SCANDIC

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- 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:**

MLPPAIHFYLLPLACILMKSCLA FKND EILYSHVVKP  
VPAHPSSNSTLNQARNGGRHFSNTGLDRNTRVQVGC  
RELSTKYISDGQCT SISPLKELVCAGECLPLVLPNWI  
GGGYGTKYWSRRSSQEWRCVNDKTRTQRIQLQCQD  
GSTRTYKITVVTACKCKRYTRQHNESSHN FESMSPAK  
PVQHHRRERKRASKSSKHSMS

**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.