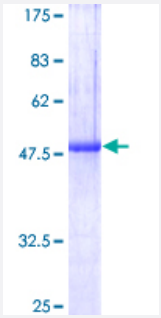
Full-Length

SOSTDC1 (Human) Recombinant Protein (P01)

Catalog # H00025928-P01 Size 25 ug, 10 ug

Applications



Specification

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	MLPPAIHFYLLPLACILMKSCLAFKNDATEILYSHVVKPVPAHPSSNSTLNQARNGGRHFSNTGLD RNTRVQVGCRELRSTKYISDGQCTSISPLKELVCAGECLPLPVLPNWIGGGYGTKYWSRRSSQEW RCVNDKTRTQRIQLQCQDGSTRTYKITVVTACKCKRYTRQHNESSHNFESMSPAKPVQHHRERK RASKSSKHSMS
Host	Wheat Germ (in vitro)
Theoretical MW (kDa)	49.7
Interspecies Antigen Sequence	Mouse (97); Rat (96)
Preparation Method	*in vitro* wheat germ expression system
Purification	Glutathione Sepharose 4 Fast Flow
Quality Control Testing	12.5% SDS-PAGE Stained with Coomassie Blue.
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.

Note	Best use within three months from the date of receipt of this protein.

Applications

- Enzyme-linked Immunoabsorbent Assay
- Western Blot (Recombinant protein)
- Antibody Production
- Protein Array

Gene Info — SOSTDC1

Entrez GeneID	25928
GeneBank Accession#	NM_015464.2
Protein Accession#	NP_056279.1
Gene Name	SOSTDC1
Gene Alias	CDA019, DKFZp564D206, ECTODIN, USAG1
Gene Description	sclerostin domain containing 1
Omim ID	609675
Gene Ontology	Hyperlink
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 protei n (BMP) antagonist. Specifically, it directly associates with BMPs, prohibiting them from binding t heir receptors, thereby regulating BMP signaling during cellular proliferation, differentiation, and p rogrammed cell death. [provided by RefSeq
Other Designations	cystine-knot containing secreted protein|ectodermal BMP inhibitor|uterine sensitization-associate d protein-1

Publication Reference

- 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.

  Histochemistry and Cell Biology 2011 Dec; 136(6):663.

  Application: Treated, Recombinant protein