

Recombinant Human SOSTDC1, His-tagged

Cat. No. SOSTDC1-7123H Lot. No. (See product label)

SPECIFICATION

Product Overview	Recombinant human SOSTDC1 protein, fused to His-tag at N-terminus, was expressed in E.coli.
Species	Human
Source	E.coli
ProteinLength	24-206aa
Description	SOSTDC1 is a member of the sclerostin family and 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.
Form	Liquid. In 20mM Tris-HCl buffer (pH 8.0) containing 0.4M Urea, 10% glycerol
Molecular Mass	23kDa (206aa)
AA Sequence	MGSSHHHHHH SSGLVPRGSH MGSFKNDAT ILYSHVVKPV PAHPSSNSTL NQARNGGRHF SNTGLDRNTR VQVGCRELRS TKYISDGQCT SISPLKELVC AGECLPLPVL PNWIGGGYGT KYWSRRSSQE WRCVNDKTRT QRIQLQCQDG STRTYKITVV TACKCKRYTR QHNESSHNFE SMSPAKPVQH HRERKRASKS SKHSMS

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Purity	>85% by SDS - PAGE
Applications	SDS-PAGE
Storage	Can be stored at +4°C short term (1-2 weeks). For long term storage, aliquot and store at -20°C or -70°C. Avoid repeated freezing and thawing cycles.
Concentration	1 mg/ml
GENE INFORMATION	
Gene Name	SOSTDC1 sclerostin domain containing 1 [Homo sapiens]
Official Symbol	SOSTDC1
Synonyms	SOSTDC1; sclerostin domain containing 1; sclerostin domain-containing protein 1; DKFZp564D206; ectodin; USAG1; ectodermal BMP inhibitor; cystine-knot containing secreted protein; uterine sensitization-associated protein-1; CDA019; ECTODIN;
Gene ID	25928
mRNA Refseq	NM_015464
Protein Refseq	NP_056279
MIM	609675
UniProt ID	Q6X4U4
Chromosome Location	7p21.2

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Pathway

BMP receptor signaling, organism-specific biosystem;

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