

SOSTDC1, 24-206aa, Human, His tag, E.coli

Cat.NO.: TP04007

3th Edition

Synonyms:Sclerostin domain-containing protein 1, CDA019, ECTODIN, USAG1

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. Recombinant human SOSTDC1 protein, fused to His-tag at N-terminus, was expressed in E.coli.

Form:Liquid. In 20mM Tris-HCl buffer (pH 8.0) containing 0.4M Urea, 10% glycerol

Molecular Weight:23kDa (206aa)

Sequences:

MGSSHHHHHSSGLVPRGSHMGSFKNDATEILYSHVVKPVPAHPSSNSTLNQARNNGGRHFSNTGLDRNTRVQVG
CRELRSTKYISDGQCTSISPLKELVCAGECLPLVLPNWIGGGYGTKYWSRRSSQEWRCVNDKTRTQRIQLQCQD
GSTRYKITVVTACKCKRYTRQHNESSHNFE SMSPAKPVQHHRERKRASKSSKHSMS

Purity:> 95% by HPLC

Concentration:1 mg/ml (determined by Bradford assay)

Endotoxin Level:<1.0 EU per 1 ug of protein (determined by LAL method)

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.