

Recombinant Human Osteoclast Stimulating Factor 1, His-tagged

Cat. No. OSTF1-370H **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant human OSTF1 protein, fused to His-tag at C-terminus, was expressed in E.coli and purified by using conventional chromatography techniques, 25.1 kDa (225 aa).
Species	Human
Source	E.coli
Description	Osteoclast-stimulating factor-1 (OSTF1) is an intracellular protein produced by osteoclasts that indirectly induces osteoclast (OCL) formation and bone resorption. OSTF1 is highly expressed in OCL and contains structural domains such as SH3 and ankyrin repeats, which are potentially involved in protein-protein interactions. OSTF1 is ubiquitously expressed analogous to other regulators of OCL activity such as c-Src or transforming growth factor β .
Sequences of amino acids	MSKPPPKPVK PGEGGQVKVF RALYTFEPRT PDELYFEEGD IYITDMSDT NWWKGTSKGR TGLIPSNYVA EQAESIDNPL HEAAKRGNLS WLRECLDNRV GVNGLDKAGS TALYWACHGG HKDIVEMLFT QPNIELNQQN KLGDTALHAA AWKGYADIVQ LFLAKGARTD LRNIEKKLAF DMATNAACAS LLKKKQGTDA VRTLSNAEDY LDDESDLEH HHHHH
Formulation	Liquid. In 20 mM Tris-HCl buffer (pH 8.0) containing 0.5mM DTT, 10% glycerol
Purity	> 95% by SDS - PAGE

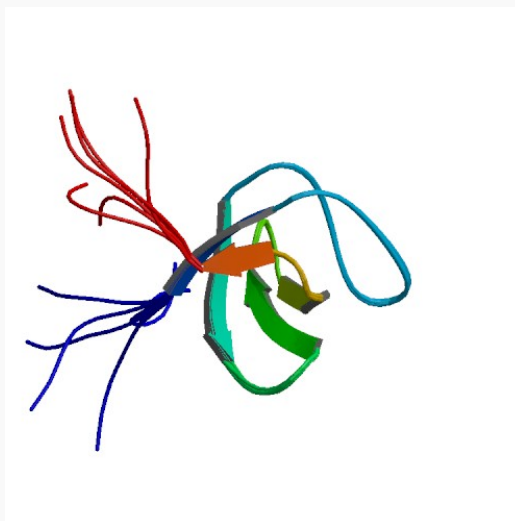
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Concentration	1 mg/ml (determined by Bradford assay)
Storage	Can be stored at +4°C short term (1-2 weeks). For long term storage, aliquot and store at -20°C or -70°C. Avoid repeated freezing and thawing cycles.
GENE INFORMATION	
Gene Name	OSTF1 osteoclast stimulating factor 1 [Homo sapiens]
Synonyms	FLJ20559; OSF; OTTHUMP00000021492; SH3P2; bA235O14.1; osteoclast stimulating factor 1; OSTF1; Osteoclast-stimulating factor 1
Gene ID	26578
mRNA Refseq	NM_012383
Protein Refseq	NP_036515
MIM	610180
UniProt ID	Q92882
Chromosome Location	9q13-q21.2
Pathway	
Function	identical protein binding

PDBrendering based
on 1x2k. Available
structures:1x2k,1zlm



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