

# Recombinant Human Osteoclast Stimulating Factor 1, His-tagged

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

## SPECIFICATION

<b>Product Overview</b>	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).
<b>Species</b>	Human
<b>Source</b>	E.coli
<b>Description</b>	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 $\beta$ .
<b>Sequences of amino acids</b>	MSKPPPKPVK PGEGGQVKVF RALYTFEPRT PDELYFEEGD IYITDMSDT NWWKGTSKGR TGLIPSNYVA EQAESIDNPL HEAAKRGNLS WLRECLDNRV GVNGLDKAGS TALYWACHGG HKDIVEMLFT QPNIELNQQN KLGDTALHAA AWKGYADIVQ LFLAKGARTD LRNIEKKLAF DMATNAACAS LLKKKQGTDA VRTLSNAEDY LDEEDSDLEH HHHHH
<b>Formulation</b>	Liquid. In 20 mM Tris-HCl buffer (pH 8.0) containing 0.5mM DTT, 10% glycerol
<b>Purity</b>	> 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**

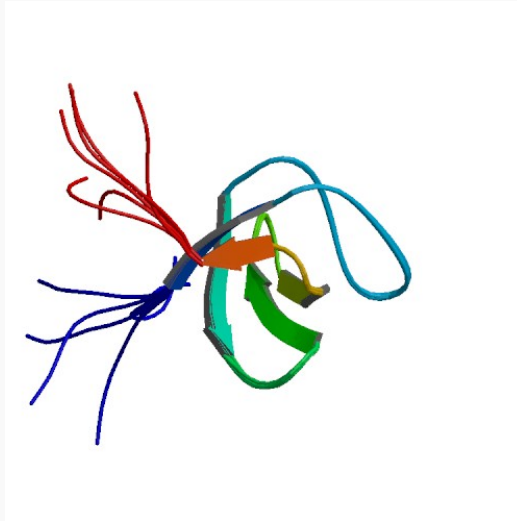
**Function** identical protein binding

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



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