



## Osteoclast Stimulating Factor-1, His Tag, human recombinant

**Catalog No:** 97232  
**Lot No:** XXXXX  
**Source:** *E. coli*  
**Synonyms:** SH3P2, OSF, OSTF-1, Osteoclast-stimulating factor 1, OSTF1, FLJ20559, bA235O14.1

### Background

OSTF1 is an intracellular protein produced by osteoclasts that induces bone resorption, via signaling cascade which results in the secretion of factors enhancing osteoclast formation and activity.

### Description

OSTF1 human recombinant produced in *E. coli* is a monomeric, non-glycosylated, polypeptide chain containing 222 amino acids (1-214) and having a molecular mass of 25.1 kDa. OSTF1 is fused to a 8 amino acid His Tag at C-terminus and purified by proprietary chromatographic techniques.

### Physical Appearance

Sterile filtered colorless solution.

### Formulation

The OSTF1 protein solution contains 20 mM Tris buffer pH 8, 0.5 mM DTT and 10% glycerol.

### Stability

Store at 4°C if entire vial will be used within 2-4 weeks. Store frozen at -20°C for longer periods of time. Please avoid freeze thaw cycles.

### Purity

Greater than 95.0% as determined by SDS-PAGE.

### Amino Acid Sequence

MSKPPPKPVK PEGEGQVKVF RALYTFEPRT PDELYFEEGD IYITDMSDT NWWKGTSKGR TGLIPSNYVA EQAESIDNPL  
HEAAKRGNLS WLRECLDNRV GVNGLDKAGS TALYWACHGG HKDIVEMLFY QPNIELNQON KLGDTALHAA AWKGYADIVQ  
LFLAKGARTD LRNIEKKLAF DMATNAACAS LLKKKQGTDA VRTLSNAEDY LDDEDSBLEH HHHHH

### Usage

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