

**Osteoclast Stimulating Factor-1, Human Recombinant, His-tag****CATALOG NUMBER: COS-630-050P, 50 µg**

**Synonyms** SH3P2, OSF, OSTF-1, Osteoclast-stimulating factor 1, OSTF1, FLJ20559, bA235O14.1.

**Introduction** 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.

The OSTF1 is fused to 8 amino acid His Tag at C-terminus & purified by proprietary chromatographic techniques.

**Source** *Escherichia coli*.

**Amino Acid Sequence** MSKPPPKPVK PGEQGQVKVF RALYTFEPRT PDELYFEEGD I IYITDMSDT  
NWWKGTSKGR TGLIPSNYVA EQAESIDNPL HEAAKRGNLS WLRECLDNRV  
GVNGLDKAGS TALYWACHGG HKDIVEMLFT QPNIELNQON KLGDTALHAA  
AWKGYADIVQ LFLAKGARTD LRNIEKKLAF DMATNAACAS LLKKKQGTDA  
VRTLSNAEDY LDDESDLEH HHHHH

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

**Storage?** Store at 4°C if the entire vial will be used within 2-4 weeks. Store frozen at -20°C for longer period of time. Please prevent freeze-thaw cycles.

**Purity** > 95% pure as determined by SDS-PAGE.