

Recombinant human OSTF1 protein

Catalog Number: OSF0905

PRODUCT INFORMATION

Expression system

E.coli

Domain

1-217aa

UniProt No.

Q92882

NCBI Accession No.

AAH07459

Alternative Names

Osteoclast stimulating factor 1, SH3P2, OSF, Osteoclast stimulating factor 1

PRODUCT SPECIFICATION

Molecular Weight

25.1 kDa (225aa) confirmed by MALDI-TOF

Concentration

1mg/ml (determined by Bradford assay)

Formulation

Liquid in. 20mM Tris-HCl buffer (pH 8.0) containing 0.5mM DTT, 10% glycerol

Purity

> 95% by SDS-PAGE

Tag

His-Tag

Application

SDS-PAGE

Storage Condition

Can be stored at +2C to +8C for 1 week. For long term storage, aliquot and store at -20C to -80C. Avoid repeated freezing and thawing cycles.

BACKGROUND

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 beta. Recombinant human OSTF1 protein, fused to His-tag at C-terminus, was expressed in E. coli and purified by using conventional chromatography techniques.

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Amino acid Sequence

MSKPPPKPVK PGEQGQVKVF RALYTFEPRT PDELYFEEGD IYITDMSDT NWWKGTSGR TGLIPSNYVA EQAESIDNPL
HEAAKRGNLS WLRECLDNRV GVNLDKAGS TALYWACHGG HKDIVEMLFT QPNIELNQQN KLGDTALHAA
AWKGYADIVQ LFLAKGARTD LRNIEKKLAF DMATNAACAS LLKKKQGTDA VRTLSNAEDY LDEEDSDLEH HHHHH

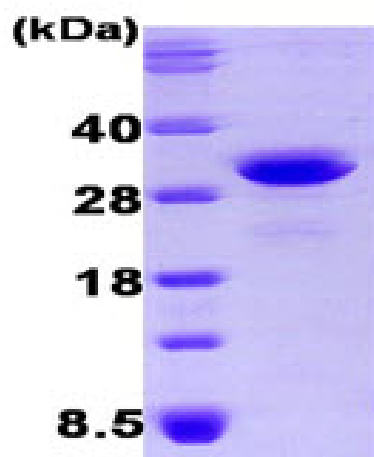
General References

Kurihara N., et al. (2001) J Bio Chem. 276(44):41035-9

Reddy S., et al. (1998) Cell Physiol. 177(4):636-45.

DATA

SDS-PAGE



3ug by SDS-PAGE under reducing condition and visualized by coomassie blue stain.

15% SDS-PAGE (3ug)