

OSTF1, human recombinant protein
Osteoclast stimulating factor 1, SH3P2, OSF
Catalog # PBV10960r**Specification**

OSTF1, human recombinant protein - Product info

Primary Accession	Q92882
Concentration	1
Calculated MW	25.1 kDa (225 aa, 1-217 aa + His Tag), confirmed by MALDI-TOF. (MW on SDS-PAGE shifts up) kDa

OSTF1, human recombinant protein - Additional Info

Gene ID	26578
Gene Symbol	OSTF1
Other Names	
Osteoclast stimulating factor 1, SH3P2, OSF	
Gene Source	Human
Source	E. coli
Assay&Purity	SDS-PAGE; ≥95%
Assay2&Purity2	N/A;
Recombinant	Yes
Sequence	MSKPPPKPVK PEGGGQVKVF RALYTFEPRT PDELYFEEGD IYITDMSDT NWWKGTSKGR TGLIPSNYVA EQAESIDNPL HEAAKRGNLS WLRECLDNRV GVNGLDKAGS TALYWACHGG HKDIVEMLFT QPNIELNQON KLGDTALHAA AWKGYADIVQ LFLAKGARTD LRNIEKKLAF DMATNAACAS LLKKKQGTDA VRTLSNAEDY LDDESDLEH HHHHH

Target/Specificity
OSTF1**Format**
Liquid**Storage**
-80°C; 1 mg/ml in 20 mM Tris-HCl buffer (pH 8.0) containing 10% glycerol, and 0.5 mM DTT.**OSTF1, human recombinant protein - Protocols**

Provided below are standard protocols that you may find useful for product applications.

- [Western Blot](#)
- [Blocking Peptides](#)
- [Dot Blot](#)

- [Immunohistochemistry](#)
- [Immunofluorescence](#)
- [Immunoprecipitation](#)
- [Flow Cytometry](#)
- [Cell Culture](#)

OSTF1, human recombinant protein - Images**OSTF1, human recombinant protein - Background**

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.

OSTF1, human recombinant protein - References

Reddy S.V., et al. J. Cell. Physiol. 177:636-645(1998).
Suzuki Y., et al. Submitted (APR-2005) to the EMBL/GenBank/DDBJ databases.
Humphray S.J., et al. Nature 429:369-374(2004).
Roodman G.D., et al. Unpublished observations (NOV-2000).
Kurihara N., et al. J. Biol. Chem. 276:41035-41039(2001).