Product information

**OSTN, 28-133aa**

Human, His-tagged, Recombinant, *E.coli*

Cat. No. IBATGP1005

**Full name:** Osteocrin

**NCBI Accession No.:** NP_937827

**Synonyms:** Musclin

**Description:** Osteocrin (OSTN), also known as Muscin, contains two conserved sequence motifs homologous to the natriuretic peptide family. This protein appears to modulate osteoblastic differentiation and highly expressed in cells of osteoblast lineage and in skeletal muscle tissue. It could also function as an autocrine and paracrine factor linked to glucose metabolism in skeletal muscle. Recombinant human OSTN protein, fused to His-tag at N-terminus, was expressed in *E.coli* and purified by using conventional chromatography techniques.

**Form:** Liquid. In 20mM Tris-HCl buffer (pH 8.0) containing 2mM DTT, 20% glycerol, 200mM NaCl

**Molecular Weight:** 14.0kDa (127aa) confirmed by MALDI-TOF

(Molecular weight on SDS-PAGE will appear higher)

**Purity:** > 95% by SDS - PAGE

**Concentration:** 0.5mg/ml (determined by BCA)

**Sequences of amino acids:**

MGSSHHHHHH SSGLVPRGSH MVVTVTTEAF DSVVDVQST PTVEEKSAT DLTAKLILD ELVSDLNDVI ETKKRSFSG FGSPLDLRSA GSVDHKGQKR KVDOHKKAF G1PMD1PGRAN RLSNSRG

**General references:**


**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.

For research use only. This product is not intended or approved for human, diagnostics or veterinary use.

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