

Recombinant Human OSTN, His-tagged

Cat. No. OSTN-3502H Lot. No. (See product label)

SPECIFICATION

Product Overview	Recombinant human OSTN protein, fused to His-tag at N-terminus, was expressed in E.coli and purified by using conventional chromatography techniques.
Species	Human
Source	E.coli
Description	Osteocrin (OSTN), also known as Musclin, 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.
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 MVDVTTTEAF DSGVIDVQST PTVREEKSAT DLTAKLLLLLD ELVSLENDVI ETKKKRSFSG FGSPDLRLSA GSVDHKGKQR

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KVVDHPKRRF GIPMDRIGRN RLSNSRG

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.

GENE INFORMATION

Gene Name

OSTN osteocrin [Homo sapiens]

Synonyms

Osteocrin; MUSCLIN; OSTN; Musclin

Gene ID

344901

mRNA Refseq

NM_198184

Protein Refseq

NP_937827

MIM

610280

UniProt ID

P61366

**Chromosome
Location**

3q28

Function

hormone activity

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