

Osteocrin Active Protein | OSTN active protein

Recombinant Human Osteocrin protein

CATALOG # AAA49001	HOST HEK293	APPLICATIONS SDS-Page
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PRODUCT SYNONYMS

Osteocrin; Recombinant Human Osteocrin protein; MUSCLIN; OSTN; OSTN active protein

PRODUCT SPECIFICATIONS

Host	HEK293
Purity/Purification	> 95% by SDS-PAGE
Form/Format	Liquid in. Phosphate-Buffered Saline (pH7.4) containing 10% glycerol
Concentration	0.5mg/ml (determined by Bradford assay) (varies by lot)
Sequence Positions	28-133aa
Sequence	Val19 V DVTTEAFDS GVIDVQSTPT VREEKSATDL TAKLLLLDEL VSLENDVIET KKKRSFSGFG SPLDRLSAGS VDHKGKQRKV VDHPKRRFGI PMDRIGRNRL SNSRG
Applicable Applications for OSTN active protein	Bioactivity, SDS-PAGE
Species	Human
Endotoxin	< 1 EU per 1ug of protein (determined by LAL method)
Tag	His-Tag
Preparation and Storage	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.

ADDITIONAL INFORMATION

Related Product Information for OSTN active protein	Osteocrin, also known as Musclin, shows a well conserved homology with members of the natriuretic peptide (NP) family. It is a secreted protein that is expressed in muscle and bone. Based on similarities with NPs, Osteocrin could interact with the NP clearance receptors, importantly increasing CNP which has been shown to stimulate endochondral ossification and elongate bones. It represents a novel, unique vitamin D-regulated bone-specific. Recombinant human Osteocrin, fused to His-tag at C-terminus, was expressed in HEK 293 cell and purified by using conventional chromatography techniques.
Product Categories/Family for OSTN active protein	Stem cell ; Proteins
References	Thomas, G., et al, (2003) J. Biol. Chem. 278:50563-50571. Nishizawa H., et al, (2004) J Biol Chem. 279:19391-19395. Pierre Moffatt., et al, (2007) J Biol Chem. 282:36454-36462.

NCBI AND UNIPROT INFORMATION

NCBI GI #	38044108
NCBI GeneID	344901

NCBI Accession #	NP_937827.1
NCBI GenBank Nucleotide #	NM_198184.1
UniProt Accession #	P61366; A1A4U3
Molecular Weight	14,722 Da
NCBI Official Full Name	osteocrin
NCBI Official Synonym Full Names	osteocrin
NCBI Official Symbol	OSTN
NCBI Official Synonym Symbols	MUSCLIN
NCBI Protein Information	osteocrin
UniProt Protein Name	Osteocrin
UniProt Gene Name	OSTN
UniProt Entry Name	OSTN_HUMAN

For Research Use Only. Not for use in diagnostic or therapeutic procedures. Small volumes of product may become entrapped in the seal of the vial during shipment and storage; if necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the cap.

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Online datasheet: <https://stage.aaabiotech.com/hek293-active-protein/osteocrin/49001>