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Datasheet for ABIN7318850

Osteocrin Protein (OSTN) (His tag)

Overview

Quantity:	50 µg
Target:	Osteocrin (OSTN)
Origin:	Human
Source:	Escherichia coli (E. coli)
Protein Type:	Recombinant
Purification tag / Conjugate:	This Osteocrin protein is labelled with His tag.

Product Details

Purpose:	Recombinant Human Osteocrin/OSTN Protein (His Tag)
Sequence:	Val28-Gly133
Characteristics:	Recombinant Human Osteocrin is produced by our E.coli expression system and the target gene encoding Val28-Gly133 is expressed with a 6His tag at the N-terminus.
Purity:	> 95 % as determined by reducing SDS-PAGE.
Endotoxin Level:	< 1.0 EU per µg as determined by the LAL method.

Target Details

Target:	Osteocrin (OSTN)
Alternative Name:	Osteocrin/OSTN (OSTN Products)
Background:	Background: Osteocrin is a secreted protein which is primarily expressed in bone and muscle. It is synthesized as a proprotein that undergoes proteolytic processing to generate a mature 50 amino acid C-terminal active peptide. Human Osteocrin proprotein shares 77 % and 78 % amino

Target Details

acid sequence identity with the rat and mouse protein, respectively. It appears to modulate osteoblastic differentiation. It could also function as an autocrine and paracrine factor linked to glucose metabolism in skeletal muscle.

Synonym: Osteocrin, Musclin, OSTN

Molecular Weight: 14.0 kDa

UniProt: [P61366](#)

Pathways: [Hormone Activity](#)

Application Details

Restrictions: For Research Use only

Handling

Format: Lyophilized

Reconstitution: Please refer to the printed manual for detailed information.

Buffer: Lyophilized from a 0.2 µm filtered solution of 20 mM Tris, 150 mM NaCl, pH 8.0.

Storage: 4 °C, -20 °C, -80 °C

Storage Comment: Generally, lyophilized proteins are stable for up to 12 months when stored at -20 to -80°C. Reconstituted protein solution can be stored at 4-8°C for 2-7 days. Aliquots of reconstituted samples are stable at < -20°C for 3 months.