

9853 Pacific Heights Blvd. Suite D. San Diego, CA 92121, USA Tel: 858-263-4982

Email: info@abeomics.com

## 32-8853: Recombinant Human Osteocrin (N-6His)

Gene ID: 344901 Uniprot ID: P61366

## **Description**

Source: E.coli. MW :14kD.

Recombinant Human Osteocrin is produced by our expression system and the target gene encoding Val28-Gly133 is expressed with a 6His tag at the N-terminus. 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 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.

## **Product Info**

**Amount:** 10 μg / 50 μg

Content: Lyophilized from a 0.2 µm filtered solution of 20mM Tris,150mM NaCl,pH8.0.

Lyophilized protein should be stored at -20°C, though stable at room temperature for 3 weeks.

**Storage condition :** Reconstituted protein solution can be stored at 4-7°C for 2-7 days. Aliquots of reconstituted

samples are stable at -20°C for 3 months.

Amino Acid: MGSSHHHHHHSSGLVPRGSHMVDVTTTEAFDSGVIDVQSTPTVREEKSATDLTAKLLLLDELVSLENDVIETKK

KRSFSGFGSPLDRLSAGSVDHKGKQRKVVDHPKRRFGIPMDRIGRNRLSNSRG

## **Application Note**

**Endotoxin**: Less than 0.1 ng/ $\tilde{A} \cap \hat{A} \mu g$  (1 IEU/ $\tilde{A} \cap \hat{A} \mu g$ ) as determined by LAL test.