

## OSTN

### Recombinant Human Osteocrin, His Tag

<b>Catalog No.</b>	CRO106A CRO106B CRO106C	<b>Quantity:</b>	2 µg 10 µg 1.0 mg
<b>Alternate Names:</b>	Osteocrin, Musclin, OSTN		
<b>Description:</b>	Osteocrin is a secreted protein/ hormone which appears to modulate osteoblastic differentiation. It may also function as an autocrine and paracrine factor linked to glucose metabolism in skeletal muscle. Recent data suggests Osteocrin may also play a part in human neuronal activity.  Recombinant Human Osteocrin is comprised of 106 amino acid residues plus a 16 aa N-terminal 6X His tag (underlined in aa sequence below).		
<b>UniProt ID:</b>	P61366		
<b>Source:</b>	<i>E. coli</i>		
<b>Molecular Mass:</b>	13.6 kDa including His tag		
<b>Formulation:</b>	Lyophilized from a 0.4 µm-filtered solution of 0.5 mg/mL in 0.05M acetate buffer, pH 4.0.		
<b>Purity:</b>	>95% by SDS-PAGE		
<b>Amino Acid Sequence:</b>	<u>MRGSHHHHHH</u> <u>GMASHMVDVT</u> TTEAFDSGVI DVQSTPTVRE EKSATDLTAK LLLLDELVSL ENDVIETKKK RSFSGFGSPL DRLSAGSVDH KGKQRKVVDH PKRRFGIPMD RIGRNRLSNS RG <b>(additional 16 aa including His Tag is underlined)</b>		
<b>Reconstitution:</b>	<b>Centrifuge vial prior to opening.</b> Add 0.1 M Acetate buffer, pH 4, to prepare a working stock solution of approximately 0.5 mg/mL. Let the lyophilized pellet dissolve completely.  For conversion to a higher pH value, dilute in a relevant buffer to a concentration of 10 µg/mL (at higher concentrations, the solubility of this antigen is limited.).  <b>Product is not sterile.</b> Filter using an appropriate sterile filter before using in cell culture.		
<b>Storage &amp; Stability:</b>	Upon receipt, store at -20°C to -80°C. Upon reconstitution, store at 2-8 °C for up to two weeks. For longer term, freeze in working aliquots at -20 °C to -80°C.  <b>Avoid repeated freeze-thaw cycles.</b>		

NOT FOR HUMAN USE. FOR RESEARCH ONLY. NOT FOR DIAGNOSTIC OR THERAPEUTIC USE.

