

OSTN

Recombinant Human Osteocrin (HEK)

Catalog No.	CRO103A CRO103B	Quantity:	10 µg 100 µg
Alternate Names:	Osteocrin, Musclin, OSTN		
Description:	<p>Human osteocrin (OSTN), also called musclin, is a secreted protein that acts as an endogenous ligand for the natriuretic peptide receptor C (NPR-C). This mechanism has been linked to various physiological effects, including stimulation of bone growth by increasing C-type natriuretic peptide (CNP) availability, protection of the heart from damage, and potential roles in glucose metabolism and brain development.</p> <p>Recombinant Human Osteocrin is comprised of 112 amino acid residues (28-133 a.a.) plus a 6 a.a. C-terminal His tag (underlined in a.a. sequence below).</p>		
UniProt ID:	P61366		
Concentration:	0.5 mg/ml		
Source:	HEK293 cell line		
Molecular Mass:	12.5 kDa		
Formulation:	Sterile filtered PBS, pH 7.4, 50% glycerol		
Purity:	>95% by SDS-PAGE		
Biological Activity:	ED50 < 20 ng/ml determined by binding in a functional ELISA with Human natriuretic peptide receptor C		
Amino Acid Sequence:	VDVTTTEAFD SGVIDVQSTP TVREEKSATD LTAKLLLLDE LVSLENDVIE TKKKRSFSGF GSPLDRLSAG SVDHKGKQRK VVDHPKRRFG IPMDRIGRNR LSNSRG <u>HHHH HH</u> (C-terminal 6x His Tag underlined)		
Storage & Stability:	Store at 2-8°C for immediate use (2-4 weeks.) For long term storage it is recommended to add a carrier protein (0.1% HSA or BSA) and store at -20 °C to -80°C. Avoid repeated freeze-thaw cycles.		

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