

OSTN, 28-133aa, Human, His tag, E.coli

Cat.NO.: TP03267

3th Edition

Synonyms:Osteocrin, Musclin.

Description:Osteocrin (OSTN), also known as Musclin, contains two conserved sequence motifs homologous to the natriuretic peptide family. This protein appears to modulate osteoblastic differentiation and highly expressed in cells of osteoblast lineage and in skeletal muscle tissue. It could also function as an autocrine and paracrine factor linked to glucose metabolism in skeletal muscle.

Form:Liquid. In 20mM Tris-HCl buffer (pH 8.0) containing 2mM DTT, 20% glycerol, 200mM NaCl

Molecular Weight:14.0kDa (127aa) confirmed by MALDI-TOF

Sequences:

MGSSHHHHHHSSGLVPRGSHMVDVTTTEAFDSGVIDVQSTPTVREEKSATDLTAKLLLLDELVSLENDVIETKKKRS
FSGFGSPLDRLSAGSVDHKGKQRKVVDPKRRFGIPMDRIGRNRLSNSRG

Purity:> 95% by HPLC

Concentration:0.5mg/ml (determined by BCA)

Endotoxin Level:<1.0 EU per 1 ug of protein (determined by LAL method)

Storage:Can be stored at +4°C short term (1-2 weeks). For long term storage, aliquot and store at -20°C or -70°C. Avoid repeated freezing and thawing cycles.