

## Product datasheet for **AR09945PU-N**

### Osteocrin / OSTN (28-133, His-tag) Human Protein

#### Product data:

Product Type:	Recombinant Proteins
Description:	Osteocrin / OSTN (28-133, His-tag) human recombinant protein, 50 µg
Species:	Human
Expression Host:	E. coli
Expression cDNA Clone or AA Sequence:	<u>MGSSHHHHHH</u> <u>SSGLVPRGSH</u> <u>MVDVTTTEAF</u> DSGVIDVQST PTVREEKSAT DLTAKLLLLD ELVSLNDVI ETKKKRSFSG FGSPLDRLSA GSVDHKGGKQR KVDHPKRRF GIPMDRIGRN RLSNSRG
Tag:	His-tag
Concentration:	lot specific
Purity:	>95%
Buffer:	Presentation State: Purified State: Liquid purified protein Buffer System: 20mM Tris-HCl buffer (pH 8.0) containing 2mM DTT, 20% glycerol, 200mM NaCl
Preparation:	Liquid purified protein
Protein Description:	Recombinant human OSTN protein, fused to His-tag at N-terminus, was expressed in E.coli and purified by using conventional chromatography techniques.
Storage:	Store undiluted at 2-8°C for up to two weeks or (in aliquots) at -20°C or -70°C for longer. Avoid repeated freezing and thawing.
Stability:	Shelf life: one year from despatch.
RefSeq:	<u>NP_937827</u>
Locus ID:	344901
UniProt ID:	<u>P61366</u>
Cytogenetics:	3q28
Synonyms:	MUSCLIN



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**Summary:**

Hormone that acts as a regulator of dendritic growth in the developing cerebral cortex in response to sensory experience (PubMed:27830782). Induced in the brain following membrane depolarization and inhibits dendritic branching in neurons of the developing cortex (PubMed:27830782). Probably acts by binding to natriuretic peptide receptor NPR3/NPR-C, thereby preventing binding between NPR3/NPR-C and natriuretic peptides, leading to increase cGMP production (By similarity).[UniProtKB/Swiss-Prot Function]

**Protein Families:**

ES Cell Differentiation/IPS, Secreted Protein

**Product images:**