

## Product datasheet for **TP727577**

### Osteocrin (OSTN) Human Recombinant Protein

#### Product data:

|                                       |   |
|---------------------------------------|---|
| Product Type:                         | Recombinant Proteins  |
| Description:                          | Recombinant Human Osteocrin (N-6His)  |
| Species:                              | Human   |
| Expression cDNA Clone or AA Sequence: | Val28-Gly133  |
| Tag:                                  | N-His   |
| Buffer:                               | Lyophilized from a 0.2 um filtered solution of 20mM Tris-HCl, 150mM NaCl, pH 8.0.   |
| Note:                                 | Recombinant Human Osteocrin is produced by our E.coli expression system and the target gene encoding Val28-Gly133 is expressed with a 6His tag at the N-terminus.   |
| Storage:                              | Lyophilized protein should be stored at < -20°C, though stable at room temperature for 3 weeks. 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.   |
| Stability:                            | 12 months from date of despatch   |
| Locus ID:                             | 344901  |
| UniProt ID:                           | <a href="#">P61366</a>  |
| Synonyms:                             | Osteocrin; Musclin;OSTN   |
| Summary:                              | 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. |
| Protein Families:                     | ES Cell Differentiation/IPS, Secreted Protein   |



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