

Recombinant Mouse Osteomodulin, His-tagged

Cat. No. Omd-3298M **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant Mouse omdprotein (Met 1-Pro 374), fused with the His tag at the C-terminus, was expressed in <i>Human Cells</i> .
Species	Mouse
Source	Human Cells
ProteinLength	1-374 a.a.
Description	Mouse Osteomodulin, also known as Osteoadherin, Keratan sulfate proteoglycan osteomodulin, KSPG osteomodulin, OSAD, SLRR2C and OMD, is a secreted protein which belongs to the small leucine-rich proteoglycan (SLRP) family and Class II subfamily. SLRP family proteins are normally found in extracellular matrices, but Osteomodulin / OMD is the only member restricted to mineralized tissues. Osteomodulin / OMD is primarily expressed by osteoblasts and might have a role in regulation of mineralization. Osteomodulin / OMD was primarily present in bone trabeculae and no staining was seen in cartilage.
Molecular Mass	The secreted recombinant mouse OMD comprises 414 amino acids and has a calculated molecular mass of 48.8 kDa. The apparent molecular mass of the recombinant protein is approximately 60-70 kDa in SDS-PAGE under reducing conditions.
Predicted N Terminal	Gln 21.

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Purity	> 96 % as determined by SDS-PAGE.
Formulation	Lyophilized from sterile PBS, pH 7.4.
Endotoxin	< 1.0 EU per µg of the protein as determined by the LAL method.
Reconstitution	A hardcopy of COA with reconstitution instruction is sent along with the products. Please refer to it for detailed information.
Storage And Stability	Samples are stable for up to twelve months from date of receipt at -70°C. It is recommended that the protein be aliquoted for optimal storage. Avoid repeated freeze-thaw cycles.

GENE INFORMATION

Gene Name	Omd osteomodulin [Mus musculus]
Synonyms	Omd; osteomodulin; KSPG osteomodulin; keratan sulfate proteoglycan osteomodulin; osteoadherin; OSAD
Gene ID	27047
mRNA Refseq	NM_012050
Protein Refseq	NP_036180
UniProt ID	O35103
Chromosome Location	13 A5

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Function

protein binding

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