

## Recombinant Mouse Osteomodulin, His-tagged

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

### SPECIFICATION

<b>Product Overview</b>	Recombinant Mouse omdprotein (Met 1-Pro 374), fused with the His tag at the C-terminus, was expressed in <i>Human Cells</i> .
<b>Species</b>	Mouse
<b>Source</b>	Human Cells
<b>ProteinLength</b>	1-374 a.a.
<b>Description</b>	<p>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.</p> <p>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.</p>
<b>Molecular Mass</b>	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.
<b>Predicted N Terminal</b>	Gln 21.

 Tel: 1-631-559-9269    1-516-512-3133

 Email: [info@creative-biomart.com](mailto:info@creative-biomart.com)     Fax: 1-631-938-8127

 45-1 Ramsey Road, Shirley, NY 11967, USA

<b>Purity</b>	> 96 % as determined by SDS-PAGE.
<b>Formulation</b>	Lyophilized from sterile PBS, pH 7.4.
<b>Endotoxin</b>	< 1.0 EU per µg of the protein as determined by the LAL method.
<b>Reconstitution</b>	A hardcopy of COA with reconstitution instruction is sent along with the products. Please refer to it for detailed information.
<b>Storage And Stability</b>	Samples are stable for up to twelve months from date of receipt at -70 <sup>0</sup> C. It is recommended that the protein be aliquoted for optimal storage. Avoid repeated freeze-thaw cycles.

## GENE INFORMATION

<b>Gene Name</b>	<a href="#">Omd osteomodulin [ Mus musculus ]</a>
<b>Synonyms</b>	Omd; osteomodulin; KSPG osteomodulin; keratan sulfate proteoglycan osteomodulin; osteoadherin; OSAD
<b>Gene ID</b>	<a href="#">27047</a>
<b>mRNA Refseq</b>	<a href="#">NM_012050</a>
<b>Protein Refseq</b>	<a href="#">NP_036180</a>
<b>UniProt ID</b>	<a href="#">O35103</a>
<b>Chromosome Location</b>	13 A5

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**Function**

protein binding

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