

# Recombinant Human OGN Protein, Myc/DDK-tagged, C13 and N15-labeled

Cat. No. OGN-1584H Lot. No. (See product label)

## SPECIFICATION

### Product Overview

OGN MS Standard C13 and N15-labeled recombinant protein (NP\_054776) with a C-terminal MYC/DDK tag, was expressed in HEK293 cells.

### Species

Human

### Source

HEK293

### Description

This gene encodes a member of the small leucine-rich proteoglycan (SLRP) family of proteins. The encoded protein induces ectopic bone formation in conjunction with transforming growth factor beta and may regulate osteoblast differentiation. High expression of the encoded protein may be associated with elevated heart left ventricular mass. Alternative splicing results in multiple transcript variants.

### Molecular Mass

33.9 kDa

### AA Sequence

MKTLQSTLLLLLLVPLIKPAPPTQQDSRIIYDYGTDNFEESIFSQDYEDKYLDGKNIKE  
 KETVIIPNEKSLQLQKDEAITPLPPKKENDEMP TCLLCVCLSGSVYCEEVDIDAVPPLP  
 KESAYLYARFNKIKKLTAKDFADIPNLRRLDFTGNLIEDIEDGTFSKLSLLEELSLAENQ  
 LLKLPVLPPKLTLFNAKYNKIKSRGIKANAFKLNNTFLYLDHNALESVPLNLPESLR  
 VIHLQFNNIASITDDTFCKANDTSYIRDRIEEIRLEGNPVILGKHPNSFICLKRLPIGSYF  
 TRTRPLEQKLISEEDLAANDILDYKDDDDKV

### Purity

> 80% as determined by SDS-PAGE and Coomassie blue staining

 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>Stability</b>	Stable for 3 months from receipt of products under proper storage and handling conditions.
<b>Storage</b>	Store at -80 centigrade. Avoid repeated freeze-thaw cycles.
<b>Concentration</b>	50 µg/mL as determined by BCA
<b>Storage Buffer</b>	100 mM glycine, 25 mM Tris-HCl, pH 7.3.

## GENE INFORMATION

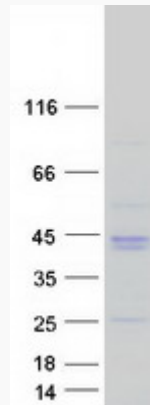
<b>Gene Name</b>	OGN osteoglycin [ <a href="#">Homo sapiens (human)</a> ]
<b>Official Symbol</b>	OGN
<b>Synonyms</b>	OGN; osteoglycin; osteoglycin (osteoinductive factor); mimecan; mimecan proteoglycan; OIF; SLRR3A; osteoinductive factor; corneal keratan sulfate proteoglycan; OG; DKFZp586P2421;
<b>Gene ID</b>	<a href="#">4969</a>
<b>mRNA Refseq</b>	<a href="#">NM_014057</a>
<b>Protein Refseq</b>	<a href="#">NP_054776</a>
<b>MIM</b>	<a href="#">602383</a>
<b>UniProt ID</b>	<a href="#">P20774</a>

 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

**SDS-PAGE**



 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