

Full-Length

OGN (Human) Recombinant Protein (P01)

Catalog # H00004969-P01

Size 50 ug

Specification

Product Description	Human OGN full-length ORF (NP_054776.1, 1 a.a. - 298 a.a.) recombinant protein with GST-tag at N-terminal.
Sequence	MKTLQSTLLLLLLVPLIKPAPPTQQDSRIYDYGTDNFEESIFSQDYEDKYLDGKNIKEKETVIIPNEKS LQLQKDEAITPLPPKKENDEMP TCLLCVCLSGSVYCEEVDIDAVPPLPKESAYLYARFNKIKKLTA KDFADIPNLRRLDFTGNLIEDIEDGTFSKLSLLEELSLAENQLLKLPVLPPKLTLFNAKYNKIKSRGIK ANAFKKLNNLTFLYLDHNALESVPLNLPESLRVIHLQFNNIASITDDTFCKANDTSYIRDRIEEIRLEG NPVILGKHPNSFICKRLPIGSYF
Host	Wheat Germ (in vitro)
Theoretical MW (kDa)	60.3
Preparation Method	in vitro wheat germ expression system
Purification	Glutathione Sepharose 4 Fast Flow
Storage Buffer	50 mM Tris-HCl, 10 mM reduced Glutathione, pH=8.0 in the elution buffer.
Storage Instruction	Store at -80°C. Aliquot to avoid repeated freezing and thawing.
Note	Best use within three months from the date of receipt of this protein.

Applications

- Enzyme-linked Immunoabsorbent Assay
- Western Blot (Recombinant protein)
- Antibody Production
- Protein Array

Gene Info — OGN

Entrez GeneID	4969
GeneBank Accession#	NM_014057.2
Protein Accession#	NP_054776.1
Gene Name	OGN
Gene Alias	DKFZp586P2421, OG, OIF, SLRR3A
Gene Description	osteoglycin
Omim ID	602383
Gene Ontology	Hyperlink
Gene Summary	This gene encodes a protein which induces ectopic bone formation in conjunction with transforming growth factor beta. This protein is a small proteoglycan which contains tandem leucine-rich repeats (LRR). Alternatively spliced transcript variants that encode the same protein have been found for this gene. [provided by RefSeq]
Other Designations	OTTHUMP00000021650 OTTHUMP00000021651 OTTHUMP00000063691 corneal keratan sulfate proteoglycan mimcan proteoglycan osteoinductive factor

Disease

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