

Recombinant Full Length Human OGN Protein, C-Flag-tagged

Cat. No. OGN-741HFL Lot. No. (See product label)

SPECIFICATION

Product Overview	Recombinant Full Length Human OGN Protein, fused to Flag-tag at C-terminus, was expressed in Mammalian cells.
Species	Human
Source	Mammalian Cells
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.
Form	25 mM Tris HCl, pH 7.3, 100 mM glycine, 10% glycerol.
Molecular Mass	31.8 kDa
AA Sequence	MKTLQSTLLLLLLVPLIKPAPPTQQDSRIIYDYGTDNFEESIFSQDYEDKYLDGKNIKE KETVIIPNEKS LQLQKDEAITPLPPKKENDEMPPTCLLCVCLSGSVYCEEVDIDAVPPL PKESAYLYARFNKIKKLTAKDFA DIPNLRRLDFTGNLIEDIEDGTFSKLSLLEELSLAE NQLLKLPVLPKLTFLNAKYNKIKSRGIKANAFK KLNNLTFLYLDHNALESVPLNLPES LRVIHLQFNNIASITDDTFCKANDTSYIRDRIIEEIRLEGNPVILG KHPNSFICKRLPIGSYFTRTRPLEQKLISEEDLAANDILDYKDDDDKV
Purity	> 80% as determined by SDS-PAGE and Coomassie blue staining.

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Stability	Stable for 12 months from the date of receipt of the product under proper storage and handling conditions. Avoid repeated freeze-thaw cycles.
Storage	Store at -80 centigrade.
Concentration	>50 ug/mL as determined by microplate BCA method.
Preparation	Recombinant protein was captured through anti-DDK affinity column followed by conventional chromatography steps.
Protein Families	Secreted Protein
Full Length	Full L.

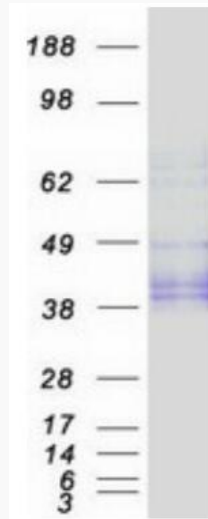
GENE INFORMATION

Gene Name	OGN osteoglycin [Homo sapiens (human)]
Official Symbol	OGN
Synonyms	OG; OIF; SLRR3A
Gene ID	4969
mRNA Refseq	NM_033014.4
Protein Refseq	NP_148935.1
MIM	602383
UniProt ID	P20774

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Coomassie blue staining of purified OGN protein.

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