

Recombinant Human OGN Protein (Met1-Phe298), His-tagged

Cat. No. OGN-577H **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant Human OGN Protein (NP_054776.1) (Met1-Phe298) was produced by HEK293 Cells expression system. This protein was expressed with a polyhistidine tag at the C-terminus.
Species	Human
Source	HEK293
ProteinLength	Met1-Phe298
Description	OGN reduced Zeb-1 expression via EGFR/Akt leading to inhibition of epithelial-mesenchymal transition. In vitro and in vivo, the OGN expression was demonstrated to reduce cell proliferation, inhibit invasion of colon cancer cells then impede cancer progression. OGN plays a restrictive role in colorectal cancer progression by reduced activation of EGFR/AKT/Zeb-1.
Predicted N Terminal	Pro 21
Form	Lyophilized from sterile PBS, pH 7.4. Normally 5 % - 8 % trehalose, mannitol and 0.01% Tween80 are added as protectants before lyophilization.
Molecular Mass	The recombinant human OGN consists of 289 amino acids and predicts a molecular mass of 33.2 kDa.
Endotoxin	< 1.0 EU per µg protein as determined by the LAL method.

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Purity	> 95 % as determined by SDS-PAGE.
Stability	Samples are stable for up to twelve months from date of receipt at -70 centigrade.
Storage	Store it under sterile conditions at -20 centigrade to -80 centigrade. It is recommended that the protein be aliquoted for optimal storage. Avoid repeated freeze-thaw cycles.
Reconstitution	It is recommended that sterile water be added to the vial to prepare a stock solution of 0.2 mg/ml. Centrifuge the vial at 4°C before opening to recover the entire contents.
Shipping	In general, recombinant proteins are provided as lyophilized powder which are shipped at ambient temperature. Bulk packages of recombinant proteins are provided as frozen liquid. They are shipped out with blue ice unless customers require otherwise.

GENE INFORMATION

Gene Name	OGN osteoglycin [Homo sapiens]
Official Symbol	OGN
Synonyms	OGN; osteoglycin; mimecan; mimecan proteoglycan; OIF; SLRR3A; osteoinductive factor; OG; DKFZp586P2421;
Gene ID	4969
mRNA Refseq	NM_014057
Protein Refseq	NP_054776

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MIM	602383
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UniProt ID	P20774
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