

Recombinant Mouse Oga Protein, Myc/DDK-tagged

Cat. No. Oga-4578M **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Purified recombinant protein of mouse full-length O-GlcNAcase (Oga), with C-terminal MYC/DDK tag, expressed in HEK293T cells.
Species	Mouse
Source	HEK293
Description	Cleaves GlcNAc but not GalNAc from O-glycosylated proteins. Can use p-nitrophenyl-beta-GlcNAc and 4-methylumbelliferone-GlcNAc as substrates but not p-nitrophenyl-beta-GalNAc or p-nitrophenyl-alpha-GlcNAc (in vitro). Does not bind acetyl-CoA and does not have histone acetyltransferase activity.
Molecular Mass	103.2 kDa
Purity	> 80% as determined by SDS-PAGE and Coomassie blue staining
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 after receiving vials.
Concentration	>50 µg/mL as determined by microplate BCA method
Storage Buffer	25 mM Tris.HCl, pH 7.3, 100 mM glycine, 10% glycerol.

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GENE INFORMATION

Gene Name	Oga O-GlcNAcase [<i>Mus musculus</i> (house mouse)]
Official Symbol	Oga
Synonyms	Oga; O-GlcNAcase; Hy5; Mgea; Mgea5; Ncoat; protein O-GlcNAcase; N-acetyl-beta-D-glucosaminidase; N-acetyl-beta-glucosaminidase; beta-N-acetylhexosaminidase; beta-hexosaminidase; bifunctional protein NCOAT; meningioma expressed antigen 5 (hyaluronidase); meningioma-expressed antigen 5; nuclear cytoplasmic O-GlcNAcase and acetyltransferase; EC 3.2.1.169
Gene ID	76055
mRNA Refseq	NM_023799
Protein Refseq	NP_076288
UniProt ID	Q9EQQ9

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