

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

Cat. No. OGA-3310H **Lot. No.** (See product label)

SPECIFICATION

Product Overview	MGEA5 MS Standard C13 and N15-labeled recombinant protein (NP_036347) with a C-terminal MYC/DDK tag, was expressed in HEK293 cells.
Species	Human
Source	HEK293
Description	The dynamic modification of cytoplasmic and nuclear proteins by O-linked N-acetylglucosamine (O-GlcNAc) addition and removal on serine and threonine residues is catalyzed by OGT, which adds O-GlcNAc, and MGEA5, a glycosidase that removes O-GlcNAc modifications.
Molecular Mass	102.9 kDa
AA Sequence	MVQKESQATLEERESELSSNPAASAGASLEPPAAPAPGEDNPAGAGGA AVAGAAG GARRFLCGVVEGFYGRPWWMEQRKELFRRLQKWELNTYLYAPKDDYKHRMFWRE MYSVEEAEQLMTLISAAREYEIEFIYAISPGLDITFSNPKEVSTLKRKLDQVSQFGCRS FALLFDDIDHNMCAADKEVFSSFAHAQVSITNEIYQYLGE PETFLFCPTEYCGTFCYP NVSQSPYLRTVGEKLLPGIEVLWTGPKVVSKEIPVESIEEVSKIIKRAPVIWDNIHAND YDQKRLFLGPYKGRSTELIPRLKGVLTNPNCFEANYVVIHTLATWYKSNMNGVRKD VVMTDSEDSTVSIQIKLENEGSDEDIETDVLSPQMALKLALTEWLQEF GVP HQYSS RQVAHSGAKASVVDGTPLVAAPSLNATTVTTVYQEPIMSQGAALSGEPTTLTKEEE KKQPDEEPMDMVVEKQEETDHKNDNQILSEIVEAKMAEELKPM DTDKESIAESKSPE

 Tel: 1-631-559-9269 1-516-512-3133

 Email: info@creative-biomart.com  Fax: 1-631-938-8127

 45-1 Ramsey Road, Shirley, NY 11967, USA

MSMQEDCISDIAPMQTDEQTNKEQFVPGPNEKPLYTAEPVTLEDLQLLADLFYLPYE
 HGPKG AQMLREFQWLRANSSVSVNCKGKDSEKIEEWSRAAKFEEMCGLVMGM
 FTRLN CANRTILYDMYSYVWDIKSIMSMVKS FVQWLGC RSHSSAQFLIGDQEPWA
 FRGGLAGEFQRLLPIDGANDLFFQPPPLTPTSKVYTIRPYFPKDEASVYKICREMYDD
 GVGLPFQS QPDLIGDKLVGGLLSLDYCFVLEDEDGICGYALGTVDVTPFIKKCKIS
 WIPFMQEKYTKPNGDKELSEAEKIMLSFH EEQEVL PETFLANFP SLIKMDIHKKVTD P
 SVAKSMMACLLSSLKANGSRGAFCEVRPDDKRILEFY SKLGC FEIAKMEGF PKDVVI
 LGRSLTRTRPLEQKLISEEDLAANDILDYKDDDDKV

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

Stability Stable for 3 months from receipt of products under proper storage and handling conditions.

Storage Store at -80 centigrade. Avoid repeated freeze-thaw cycles.

Concentration 50 µg/mL as determined by BCA

Storage Buffer 100 mM glycine, 25 mM Tris-HCl, pH 7.3.

GENE INFORMATION

Gene Name OGA O-GlcNAcase [Homo sapiens (human)]

Official Symbol OGA

Synonyms OGA; O-GlcNAcase; MEA5; MGEA5; NCOAT; protein O-GlcNAcase; N-acetyl-beta-D-glucosaminidase; N-acetyl-beta-glucosaminidase; beta-N-acetylglucosaminidase; beta-N-acetylhexosaminidase; beta-hexosaminidase; bifunctional protein NCOAT; hyaluronidase in meningioma; meningioma expressed antigen 5 (hyaluronidase); meningioma-expressed antigen 5; nuclear cytoplasmic O-GlcNAcase and

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acetyltransferase; EC 3.2.1.169

Gene ID 10724

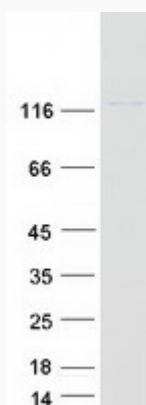
mRNA Refseq NM_012215

Protein Refseq NP_036347

MIM 604039

UniProt ID O60502

SDS-PAGE



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