

Product datasheet for PH322411

OGA (NM_012215) Human Mass Spec Standard

Product data:

Product Type:	Mass Spec Standards
Description:	MGEA5 MS Standard C13 and N15-labeled recombinant protein (NP_036347)
Species:	Human
Expression Host:	HEK293
Expression cDNA Clone or AA Sequence:	RC222411
Predicted MW:	102.9 kDa
Protein Sequence:	>RC222411 representing NM_012215 Red=Cloning site Green=Tags(s)

MVQKESQATLEERESELSNPAASAGASLEPPAAPAGEDNPAGAGGA AVAGAAGGARRFLCGVVEGFYGRPWVMEQRKELFRRLQKWELNTYLYAPKDDYKHRMFWREMYSVVEAEQLMTLISAAREYEIEFIYAI SPGLDITFSNPKEVSTLKRKLDQVSQFGCRSFALLFDDIDHNMCAADKEVFSFAHAQVSIITNEYIYQLGEPE TFLFCPTHEYCGTFCYPNVSQSPYLRTVGEKLLPGIEVLWTGPKVVSKEIPVESIEEVSKI IKRAPVIWDN IHANDYDQKRLFLGPYKGRSTELIPRLKGVLTNPNCFEANYVVIIHTLATWYKSNMNGVRKDVVMTDSED STVSIQIKLENEGSDEDIETDVL YSPQMALKLALTEWLQEFVPHQYSSRQVAHSGAKASVVDGTPLVAA PSLNATTVVTTVYQEPIMSQGAALSGEPTTLTKEEEKKQPDEEPMVMVEKQEEEDHKNDNQILSEIVEA KMAEELKPMDDTKESIAESKSPMSMQEDCISDIAPMQTDEQTNKEQFVPGPNEKPLYTAEPVTLEDLQL LADLFYLPYEHGPKGAQMLREFQWLRANSSVSVNCKGKDSEKIEEWRRAAKFEEMCGLVMGMFTRL SN CANRTILYDMYSYVWDIKSIMSMVKSFVQWLGCRSHSSAQFLIGDQEPWAFRGGLAGEFQRLLPIDGAND LFFQPPPLTPTSKVYTIIRPYFPKDEASVYKICREMYDDGVLFPFQSQPD LIGDKLVGGLLSLSDYCFVL EDEDGICGYALGTVDVTPFIKKCKISWIPFMQEKYTKPNGDKELSEA EKIMLSFHEEQEVLPETFLANF PSLIKMDIHKKVTDPSVAKSMMACLLSSLKANGSRGAFCEVRPDDKRILEFYSKLGC FEIAKMEGFPKDVV ILGRSL

TRTRPLEQKLI SEEDLAANDILDYKDDDDKV

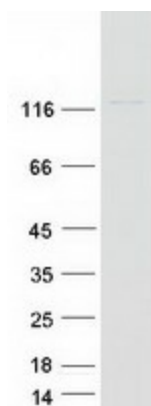
Tag:	C-Myc/DDK
Purity:	> 80% as determined by SDS-PAGE and Coomassie blue staining
Concentration:	>0.05 µg/µL as determined by microplate BCA method
Labeling Method:	Labeled with [U- ¹³ C ₆ , ¹⁵ N ₄]-L-Arginine and [U- ¹³ C ₆ , ¹⁵ N ₂]-L-Lysine
Buffer:	25 mM Tris-HCl, 100 mM glycine, pH 7.3
Storage:	Store at -80°C. Avoid repeated freeze-thaw cycles.
Stability:	Stable for 3 months from receipt of products under proper storage and handling conditions.



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RefSeq:	NP_036347
RefSeq Size:	5220
RefSeq ORF:	2748
Synonyms:	MEA5; MGEA5; NCOAT
Locus ID:	10724
UniProt ID:	O60502
Cytogenetics:	10q24.32
Summary:	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 (MIM 300255), which adds O-GlcNAc, and MGEA5, a glycosidase that removes O-GlcNAc modifications (Gao et al., 2001 [PubMed 11148210]).[supplied by OMIM, Mar 2008]

Product images:



Coomassie blue staining of purified OGA protein (Cat# [TP322411]). The protein was produced from HEK293T cells transfected with OGA cDNA clone (Cat# [RC222411]) using MegaTran 2.0 (Cat# [TT210002]).