

Product datasheet for TP322411

OGA (NM_012215) Human Recombinant Protein

Product data:

Product Type:	Recombinant Proteins
Description:	Recombinant protein of human meningioma expressed antigen 5 (hyaluronidase) (MGEA5), transcript variant 1, 20 µg
Species:	Human
Expression Host:	HEK293T
Expression cDNA Clone or AA Sequence:	>RC222411 representing NM_012215 Red=Cloning site Green=Tags(s)

MVQKESQATLEERESELSSNPAASAGASLEPPAAPAGEDNPAGAGGA AVAGAAGGARRFLCGWVEGFYGRPWVMEQRKELFRRLQKWELNTYLYAPKDDYKHRMFWREMYSVEEAEQLMTLISAAREYEIEFIYAI SPGLDITFSNPKEVSTLKRKLDQVSQFGCRSFALLFDDIDHNMCAADKEVFSSFAHAQVSITNEIYQYLGEPE TFLFCPT EYCGTFCYPNVSQSPYLRTVGEKLLPGIEVLWTGPKVVSKEIPVESIEEVSKIIKRAPVIWDNIHANDYDQKRLFLGPYKGRSTELIPRLKGVLTNPNCFEFANYVVIHTLATWYKSNMNGVRKDVVMTDSED STVSIQIKLENEGSDEDIETDVLVSPQMALKLALTEWLQEFVPHQYSSRQVAHSGAKASVVDGTPLVAA PSLNATTVTTVYQEPIMSQGAALSGEPTTLTKEEEKKQPDEEPMMDMVVEKQEETHDKNDNQILSEIVEA KMAEELKPMDDTKESIAESKSPEMSMQEDCISDIAPMQTDEQTNKEQFVPGPNEKPLYTAEPVTLLEDLQL LADLFYLPYEHGPKGAQMLREFQWLRANSSVSVNCKGKDKSEKIEEWRSSRAAKFEEMCGLVMGMFTRLSN CANRTILYDMYSYVWDIKSIMSMVKSFVQWLGCRSHSSAQFLIGDQEPWAFRGGGLAGEFQRLPIDGAND LFFQPPPLTPTS KVTIRPYFPKDEASVYKICREMYDDGVLGPFQSQPDLIGDKLVGGLLSLSLDYCFVLEDEDGICGYALGTVDPFPIKCKISWIPFMQEKYTKPNGDKELSEAEKIMLSFHEEQEVL PETFLANFPLIKMDIHKKVTDPVAKSMMACLLSSLKANGSRGAFCEVRPDDKRILEFYSKLGCFEIAKMEGFPKDVV ILGRSL

TRTRPLEQKLISEEDLAANDILDYKDDDDKV

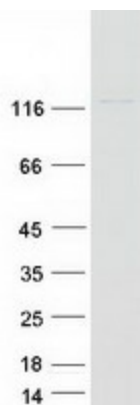
Tag:	C-Myc/DDK
Predicted MW:	102.7 kDa
Concentration:	>0.05 µg/µL as determined by microplate BCA method
Purity:	> 80% as determined by SDS-PAGE and Coomassie blue staining
Buffer:	25 mM Tris-HCl, 100 mM glycine, pH 7.3, 10% glycerol



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Preparation:	Recombinant protein was captured through anti-DDK affinity column followed by conventional chromatography steps.
Note:	For testing in cell culture applications, please filter before use. Note that you may experience some loss of protein during the filtration process.
Storage:	Store at -80°C.
Stability:	Stable for 12 months from the date of receipt of the product under proper storage and handling conditions. Avoid repeated freeze-thaw cycles.
RefSeq:	NP_036347
Locus ID:	10724
UniProt ID:	O60502
RefSeq Size:	5220
Cytogenetics:	10q24.32
RefSeq ORF:	2748
Synonyms:	MEA5; MGEA5; NCOAT
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]).