

## Product datasheet for TP322411M

### 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, 100 µg
Species:	Human
Expression Host:	HEK293T
Expression cDNA Clone or AA Sequence:	>RC222411 representing NM_012215 <b>Red</b> =Cloning site <b>Green</b> =Tags(s)

MVQKESQATLEERESELSSNPAASAGASLEPPAAPAGEDNPAGAGGA AVAGAAGGARRFLCGWVEGFYG  
RPWVMEQRKELFRRLQKWELNTYLYAPKDDYKHRMFWREMYSVEEAEQLMTLISAAREYEIEFIYAI SPG  
LDITFSNPKEVSTLKRKLDQVSQFGCRSFALLFDDIDHNMCAADKEVFSSFAHAQVSITNEIYQYLGEPE  
TFLFCPT EYCGTFCYPNVSQSPYLRTVGEKLLPGIEVLWTGPKVVSKEIPVESIEEVSKIIKRAPVIWDN  
IHANDYDQKRLFLGPYKGRSTELIPRLKGVLTNPNCFEFANYVVIHTLATWYKSNMNGVRKDVVMTDSED  
STVSIQIKLENEGSDEDIETDVLVSPQMALKLALTEWLQEFQVPHQYSSRQVAHSGAKASVVDGTPLVAA  
PSLNATTVTTVYQEPIMSQGAALSGEPTTLTKEEEKKQPDEEPMMDMVVEKQEETHDKNDNQILSEIVEA  
KMAEELKPMDDTKESIAESKSPEMSMQEDCISDIAPMQTDEQTNKEQFVPGPNEKPLYTAEPVTLLEDLQL  
LADLFYLPYEHGPKGAQMLREFQWLRANSSVSVNCKGKDKSEKIEEWRRAAKFEEMCGLVMGMFTRLSN  
CANRTILYDMYSYVWDIKSIMSMVKS FVQWLGCRSHSSAQFLIGDQEPWAFRGGGLAGEFQRLPIDGAND  
LFFQPPPLTPTS KVTIRPYFPKDEASVYKICREMYDDGVLGPFQSQPDLIGDKLVGGLLSLSLDYCFVL  
EDEDGICGYALGTVDPFIKKCKISWIPFMQEKYTKPNGDKELSEAEKIMLSFHEEQEVL PETFLANFP  
SLIKMDIHKKVTDPVAKSMMACLLSSLKANGSRGAFCEVRPDDKRILEFYSKLGCFEIAKMEGF PKDVV  
ILGRSL

**TRTRPLEQKLISEEDLAANDILDYKDDDDKV**

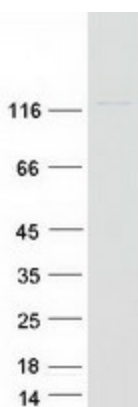
Tag:	C-Myc/DDK
Predicted MW:	102.7 kDa
Concentration:	>0.05 µg/µL as determined by microplate BCA method
Purity:	> 80% as determined by SDS-PAGE and Coomassie blue staining
Buffer:	25 mM Tris-HCl, 100 mM glycine, pH 7.3, 10% glycerol



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