

# Recombinant Full Length Human MGEA5 Protein, GST-tagged

Cat. No. MGEA5-6514HF Lot. No. (See product label)

## SPECIFICATION

<b>Product Overview</b>	Human MGEA5 full-length ORF ( NP_036347.1, 1 a.a. - 916 a.a.) recombinant protein with GST-tag at N-terminal.
<b>Species</b>	Human
<b>Source</b>	In Vitro Cell Free System
<b>ProteinLength</b>	916 amino acids
<b>Description</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
<b>Molecular Mass</b>	129.3 kDa
<b>AA Sequence</b>	MVQKESQATLEERESELSSNPAASAGASLEPPAAPAGEDNPAGAGGA AVAGAAG GARRFLCGVVEGFYGRPWWMEQRKELFRRLQKWELNTYLYAPKDDYKHRMF MYSVEEAEQLMTLISAAREYEIEFIY AISPGLDITFSNPKEVSTLKRKLDQVSQ FGCRS FALLFDDIDHNMCAADKEVFSSFAHAQVSITNEIYQYLGE PETFLFCPTEYCG TFCYP NVSQSPYLRTVGEKLLPGIEVLWTGPKVVSKEIPVESIEEVSKIIKRAPVI WDNIHAND YDQKRLFLGPYKGRSTELIPRLKGVLTNP NCFEANYVAIHTLATWYKSNMNG VRKD VVM T DSEDSTVSIQIKLENEGSDEDIETDVL YSPQMALKLALTEWLQEF GVP HQYSS RQVAHSGAKASVVDGTP LVAAPSLNATTVVTTVYQEPIMSQGAALS GEP T T L T K E E E

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

Email: [info@creative-biomart.com](mailto:info@creative-biomart.com) Fax: 1-631-938-8127

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

KKQPDEEPMDMVVEKQEETDHKNDNQILSEIVEAKMAEELKPMDDTKESIAESKSPE  
 MSMQEDCISDIAPMQTDEQTNKEQFVPGPNEKPLYTAEPVTLEDLQLLADLFYLPYE  
 HGPKGAQMLREFQWLRANSSVSVNCKGKDSEKIEEWRSSRAAKFEEMCGLVMGM  
 FTRLSNCANRTILYDMYSYVWDIKSIMSMVKSFVQWLGCRSHSSAQFLIGDQEPWA  
 FRGGLAGEFQRLLPIDGANDLFFQPPPLTPTSKVYTIRPYFPKDEASVYKICREMYDD  
 GVGLPFQSQPDLIGDKLVGGLLSLSDYCFVLEDEDGICGYALGTVDVTPFIKKCKIS  
 WIPFMQEKYTKPNGDKELSEAEKIMLSFHEEQEVLPETFLANFPSLIKMDIHKKVTD  
 SVAKSMMACLLSSLKANGSRGAFCEVRPDDKRILEFYSKLGCFEIAKMEGFPKDVVI  
 LGRSL

**Applications**

Enzyme-linked Immunoabsorbent Assay  
 Western Blot (Recombinant protein)  
 Antibody Production  
 Protein Array

**Notes** Best use within three months from the date of receipt of this protein.

**Storage** Store at -80 centigrade. Aliquot to avoid repeated freezing and thawing.

**Storage Buffer** 50 mM Tris-HCl, 10 mM reduced Glutathione, pH=8.0 in the elution buffer.

## GENE INFORMATION

**Gene Name** [MGEA5 meningioma expressed antigen 5 \(hyaluronidase\) \[ Homo sapiens \]](#)

**Official Symbol** [MGEA5](#)

**Synonyms** MGEA5; meningioma expressed antigen 5 (hyaluronidase); bifunctional protein NCOAT; MEA5; NCOAT; nuclear cytoplasmic O GlcNAcase and acetyltransferase; OGA; O-GlcNAcase; hyaluronidase in meningioma; meningioma-expressed antigen 5; nuclear cytoplasmic O-GlcNAcase and acetyltransferase; FLJ11229; FLJ23355;

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	KIAA0679;
<b>Gene ID</b>	10724
<b>mRNA Refseq</b>	NM_001142434
<b>Protein Refseq</b>	NP_001135906
<b>MIM</b>	604039
<b>UniProt ID</b>	O60502

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