

Recombinant Full Length Human MGEA5 Protein, GST-tagged

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

SPECIFICATION

Product Overview	Human MGEA5 full-length ORF (NP_036347.1, 1 a.a. - 916 a.a.) recombinant protein with GST-tag at N-terminal.
Species	Human
Source	In Vitro Cell Free System
ProteinLength	916 amino acids
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 (MIM 300255), which adds O-GlcNAc, and MGEA5, a glycosidase that removes O-GlcNAc modifications (Gao et al., 2001 [PubMed 11148210]).[supplied by OMIM
Molecular Mass	129.3 kDa
AA Sequence	MVQKESQATLEERESELSSNPAASAGASLEPPAAPAPGEDNPAGAGGAAVAGAAG GARRFLCGVVEGFYGRPWWMEQRKELFRRLQKWELNTYLYAPKDDYKHRMFWRE MYSVEEAEQLMTLISAAREYEIEFIYAISPGLDITFSNPKEVSTLKRKLDQVSQFGCRS FALLFDDIDHNMCAADKEVFSSFAHAQVSITNEIYQYLGEPEPTEFLFCPTEYCGTFCYP NVSQSPYLRTVGEKLLPGIEVLWTGPKVVSKEIPVESIEEVSKIIRAPVIWDNIHAND YDQKRLFLGPYKGRSTELIPRLKGVLTNPNCFEANYVAIHTLATWYKSNMNGVRKD VVMTDSEDSTVSIQIKLENEGSDEDIETDVLVSPQMALKLALTEWLQEFQVPHQYSS RQVAHSGAKASVVDGTPLVAAAPSLNATTVVTTVYQEPIMSQGAALSGETTTLTKEEE

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KKQPDEEPMDMVVEKQEETDHKNDNQILSEIVEAKMAEELKPMDDTKESIAESKSPE
MSMQEDCISDIAPMQTDEQTNKEQFVPGPNEKPLYTAEPVTLEDLQLLADLFYLPYE
HGPKGAQMLREFQWLRANSSVSVNCKGKDSEKIEEWSRAAKFEEMCGLVMGM
FTRLNCANRTILYDMYSYVWDIKSIMSMVKSFVQWLGCGRSHSSAQFLIGDQEPWA
FRGGLAGEFQRLLPIDGANDLFFQPPPLTPTSKVYTIRPYFPKDEASVYKICREMYDD
GVGLPFQSQPDIGDKLVGGLLSLDYCFVLEDEDGICGYALGTVDVTPFIKKCKIS
WIPFMQEKYTKPNGDKELSEAEKIMLSFHEEQEVLPEFLANFPSLIKMDIHKKVTD
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;	
Gene ID	10724
mRNA Refseq	NM_001142434
Protein Refseq	NP_001135906
MIM	604039
UniProt ID	O60502

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