

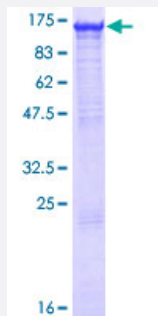
Full-Length

MGEA5 (Human) Recombinant Protein (P01)

Catalog # H00010724-P01

Size 25 ug, 10 ug

Applications



Specification

Product Description

Human MGEA5 full-length ORF (NP_036347.1, 1 a.a. - 916 a.a.) recombinant protein with GST-tag at N-terminal.

Sequence

MVQKESQATLEERESELSSNPAASAGASLEPPAAPAPGEDNPAGAGGA AVAGAAGGARRFLC
GVVEGFYGRPWWMEQRKELFRRLQKWELNTLYAPKDDYKHRMFWREMYSVEEAEQLMTLISA
AREYEIEFIYAISPGLDITFSNPKEVSTLKRKLDQVSQFGCRSFALLFDDIDHNMCAADKEVFSSFA
HAQVSITNEYQYLGE PETFLFCPT EYCGTFCYPNVSQSPYLRTVGEKLLPGIEVLWTGPKVVSKEI
PVESIEEVSKIIRAPVIWDNIHANDYDQKRLFLGPYKGRSTELIPRLKGVL TNPNCEFEANYVAIHTL
ATWYKSNMNGVRKDVVMTDSEDSTVSIQIKLENEGSDEDIETDVL YSPQMALKLALTEWLQEFV
PHQYSSRQVAHSGAKASVVDGTP LVAAPSLNATTVVTTVYQEPIMSQGAALSGEPTTLTKEEEKK
QPDEEPM DMVVEKQEETD HKNDNQILSEIVEAKMAEELKPM DTDKESIAESKSPMSMQEDCIS
DIAPMQTDEQTNKEQFVPGPNEKPLYTAEPVTLEDLQLLADLFYLPYEHGPKGAQMLREFQWLR
ANSSVSVNCKGKDSEKIEEWRSRAAKFEEMCGLVMGMFTRLSNCANRTILYDMYSYVWDIKSIM
SMVKSFVQWLGCRSHSSAQFLIGDQEPWAFRGG LAGEFQRLLPIDGANDLFFQPPPLTPTSKVY
TIRPYFPKDEASVYKICREMYDDGVGLPFQSQPD LIGDKLVGGLLSLSLDYCFVLEDEDGICGYAL
GTVDVTPFIKKCKISWIPFMQEKYTKPNGDKELSEAEKIMLSFH EEQEVL PETFLANFP SLIKMDIH
KKVTDPSVAKSMMACLLSSLKANGSRGAFCEVRPDDKRILEFYSKLGC FEIAKMEGF PKD VVILG
RSL

Host

Wheat Germ (in vitro)

Theoretical MW (kDa)

129.3

Interspecies Antigen Sequence

Mouse (97); Rat (97)

Preparation Method[in vitro wheat germ expression system](#)**Purification**

Glutathione Sepharose 4 Fast Flow

Quality Control Testing

12.5% SDS-PAGE Stained with Coomassie Blue.

Storage Buffer

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

Storage Instruction

Store at -80°C. Aliquot to avoid repeated freezing and thawing.

Note

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

Applications

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

Gene Info — MGEA5

Entrez GeneID[10724](#)**GeneBank Accession#**[NM_012215.1](#)**Protein Accession#**[NP_036347.1](#)**Gene Name**

MGEA5

Gene Alias

FLJ11229, FLJ23355, KIAA0679, MEA5, NCOAT, OGA

Gene Description

meningioma expressed antigen 5 (hyaluronidase)

Omim ID[604039](#)**Gene Ontology**[Hyperlink](#)

Gene 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]

Other Designations

O-GlcNAcase|OTTHUMP00000020345|hyaluronidase in meningioma|nuclear cytoplasmic O-GlcNAcase and acetyltransferase

Disease

- [Cardiovascular Diseases](#)
- [Diabetes Mellitus](#)
- [Edema](#)