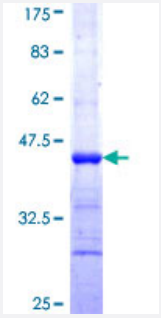
MGEA5 (Human) Recombinant Protein (Q01)

Catalog # H00010724-Q01 Size 25 ug, 10 ug

Applications



Specification

Product Description	Human MGEA5 partial ORF (NP_036347, 823 a.a. - 916 a.a.) recombinant protein with GST-tag at N-terminal.
Sequence	SFHEEQEVLPETFLANFPSLIKMDIHKKVTDPSVAKSMMACLLSSLKANGSRGAFCEVRPDDKRI LEFYSKLGCFEIAKMEGFPKDVVILGRSL
Host	Wheat Germ (in vitro)
Theoretical MW (kDa)	36.08
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
Protein Accession#	NP_036347
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 300 255), 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-Glc NAcase and acetyltransferase

Disease

- Cardiovascular Diseases
- Diabetes Mellitus
- Edema