

## Recombinant Human MGEA5 Protein, His-tagged

Cat. No. MGEA5-2438H Lot. No. (See product label)

### SPECIFICATION

<b>Product Overview</b>	Recombinant Human MGEA5 Protein (Ser6-Thr450) with a N-His tag was expressed in E. coli.
<b>Species</b>	Human
<b>Source</b>	E.coli
<b>ProteinLength</b>	Ser6-Thr450
<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]).
<b>Form</b>	Freeze-dried powder
<b>Molecular Mass</b>	Predicted Molecular Mass: 53.1 kDa Accurate Molecular Mass: 65 kDa
<b>Endotoxin</b>	<1.0 EU per 1g (determined by the LAL method).
<b>Purity</b>	> 80%
<b>Applications</b>	Positive Control; Immunogen; SDS-PAGE; WB.

 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

<b>Stability</b>	The thermal stability is described by the loss rate. The loss rate was determined by accelerated thermal degradation test, that is, incubate the protein at 37 centigrade for 48h, and no obvious degradation and precipitation were observed. The loss rate is less than 5% within the expiration date under appropriate storage condition.
<b>Storage</b>	Avoid repeated freeze/thaw cycles. Store at 2-8 centigrade for one month. Aliquot and store at -80 centigrade for 12 months.
<b>Storage Buffer</b>	20mM Tris, 150mM NaCl, pH8.0, containing 1mM EDTA, 1mM DTT, 0.01% SKL, 5% Trehalose and Proclin300.
<b>Reconstitution</b>	Reconstitute in 20mM Tris, 150mM NaCl (pH8.0) to a concentration of 0.1-1.0 mg/mL. Do not vortex.

## GENE INFORMATION

<b>Gene Name</b>	MGEA5 meningioma expressed antigen 5 (hyaluronidase) [ Homo sapiens (human) ]
<b>Official Symbol</b>	MGEA5
<b>Synonyms</b>	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; KIAA0679;
<b>Gene ID</b>	10724
<b>mRNA Refseq</b>	NM_001142434
<b>Protein Refseq</b>	NP_001135906

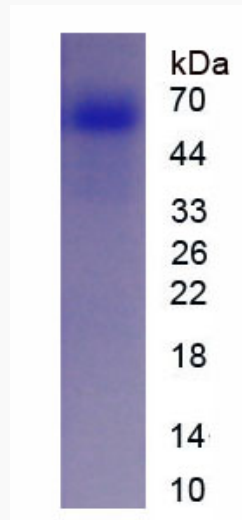
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