

Product datasheet

Recombinant Human MGAT5B protein ab165538

1 Image

Description

<b>Product name</b>	Recombinant Human MGAT5B protein	
<b>Expression system</b>	Wheat germ	
<b>Accession</b>	<a href="#">AAH62354.1</a>	
<b>Protein length</b>	Protein fragment	
<b>Animal free</b>	No	
<b>Nature</b>	Recombinant	
<b>Species</b>	Human	
<b>Sequence</b>	MITVNPDGKIMVRRCLVTLRPFRLFVLGIGFFTLCLMTSLG GQFSARRL GDSPFTIRTEVMGGPESRGVLRKMSDLLELMVKRMDALA RLENSSELHRA GGDLHFPADRMPGAGLMERIQAIQNVSDIAVKVDQILR HSLLLHSHKVS EGRRDQCEAPSDPKFPDCSGKVEWMRARWTS DPCYAF FGVDGTECSFLIY LSEVEWFPCPLPWRNQTAQRAPKPLPKVQAVFRSNLS HLLDLMGSGKES LIFMKKRTKRLTAQWALAAQRLAQKLGATQRDQKQILVHIG FLTEESGDV FSPRVLKGGLGEMVQWADILTALYVLGHGLRVTVSLKEL QRQRRLRSSQ EQARCGVMGACEKMLLEGDVASNTLLIEKPSKKEKTEKCP KNLVT	
<b>Amino acids</b>	1 to 394	
<b>Tags</b>	GST tag N-Terminus	

Specifications

Our [Abpromise guarantee](#) covers the use of **ab165538** in the following tested applications.

The application notes include recommended starting dilutions; optimal dilutions/concentrations should be determined by the end user.

<b>Applications</b>	Western blot
	ELISA

**Form** Liquid

**Additional notes**

## Preparation and Storage

**Stability and Storage** Shipped on dry ice. Upon delivery aliquot and store at -80°C. Avoid freeze / thaw cycles.  
pH: 8.00  
Constituents: 0.31% Glutathione, 0.79% Tris HCl

## General Info

**Function** Glycosyltransferase that acts on alpha-linked mannose of N-glycans and O-mannosyl glycans. Catalyzes the transfer of N-acetylglucosamine (GlcNAc) to the beta 1-6 linkage of the mannose residue of GlcNAc $\beta$ 1,2-Man $\alpha$  on both the alpha 1,3- and alpha 1,6-linked mannose arms in the core structure of N-glycan. Also acts on the GlcNAc $\beta$ 1,2-Man $\alpha$ 1-Ser/Thr moiety, forming a 2,6-branched structure in brain O-mannosyl glycan. Plays an active role in modulating integrin and laminin-dependent adhesion and migration of neuronal cells via its activity in the O-mannosyl glycan pathway.

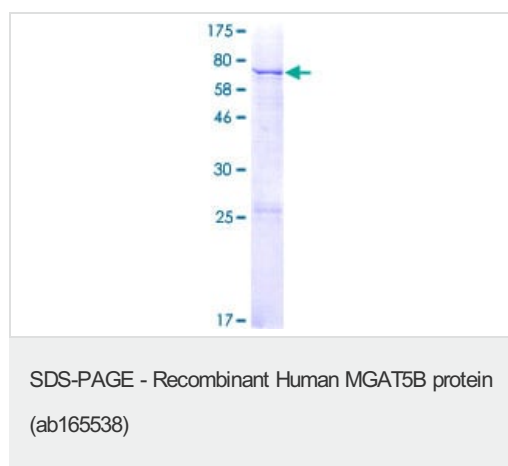
**Tissue specificity** Predominantly expressed in brain. Expressed in all area of the adult and fetal brain Also expressed at much lower level in testis, spleen and thymus.

**Pathway** Protein modification; protein glycosylation.

**Sequence similarities** Belongs to the glycosyltransferase 18 family.

**Cellular localization** Golgi apparatus membrane.

## Images



ab165538 on a 12.5% SDS-PAGE stained with Coomassie Blue.

**Please note:** All products are "FOR RESEARCH USE ONLY. NOT FOR USE IN DIAGNOSTIC PROCEDURES"

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- We investigate all quality concerns to ensure our products perform to the highest standards

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