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Datasheet for ABIN1632644  
**MGAT4A Protein (AA 1-526) (His tag)**

### Overview

Quantity:	1 mg
Target:	MGAT4A
Protein Characteristics:	AA 1-526
Origin:	Rat
Source:	Yeast
Protein Type:	Recombinant
Purification tag / Conjugate:	This MGAT4A protein is labelled with His tag.
Application:	ELISA

### Product Details

Sequence:	MRLRNGTVAT ALVFVTSFLT LSWYTTWQNG KEKLIAYQRE FLALKERLRV AEHRISQRSS ELNTIVQQFR RAGAETNGNN TIKLLKELTS KKSLQVPSIY YHLPHELLQNE RSLQPAVQIG SGRTGVSIVM GIPTVKREVK SYLIETLHSL IDNLYPEEKL DCVIVVFIGE TDLDYVHHSV ANLEKEFSRE ISSGLLEVIS PPESYYPDLT NLKETFGDSK ERVRWRKQON LDYCFLLMMYA QEKGIYYIQL EDDIIVKQNY FNTIKNFALQ LSSEEWMIIE FSQLGFIGKM FQAPDLALVV EFILMFYKEK PIDWLLDHIL WVKVCNPEKD AKHCDRQKAN LRIRFRPSLF QHVLGHSSLS GKIQKLTDKD YMKPLLLKIH VNPPAEVSTS LKVYQGHTLE KTYMGEDFFW AITPTAGDYI LKFDPKPVNV ESYLFHSGNQ EHPGDILLNT TVEVLPLKSD SLEISKETKD KRLEDGYFRI GKFEYGVAAEG IVDPGLNPIS AFRLSVIQNS AVWAILNEIH IKKVTS
Specificity:	Rattus norvegicus (Rat)
Characteristics:	Please inquire if you are interested in this recombinant protein expressed in E. coli, mammalian cells or by baculovirus infection. Be aware about differences in price and lead time.

## Product Details

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Purity: > 90 %

## Target Details

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Target: MGAT4A

Alternative Name: Alpha-1,3-mannosyl-glycoprotein 4-beta-N-acetylglucosaminyltransferase A (Mgat4a) ([MGAT4A Products](#))

Background: Recommended name: Alpha-1,3-mannosyl-glycoprotein 4-beta-N-acetylglucosaminyltransferase A.  
EC= 2.4.1.145.  
Alternative name(s): N-glycosyl-oligosaccharide-glycoprotein N-acetylglucosaminyltransferase IVa.  
Short name= GlcNAc-T IVa.  
Short name= GnT-IVa.  
Short name= N-acetylglucosaminyltransferase IVa UDP-N-acetylglucosamine: alpha-1,3-D-mannoside beta-1,4-N-acetylglucosaminyltransferase IVa Cleaved into the following chain: 1. Alpha-1,3-mannosyl-glycoprotein 4-beta-N-acetylglucosaminyltransferase A soluble form

UniProt: [Q5M854](#)

## Application Details

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Comment: The yeast protein expression system is the most economical and efficient eukaryotic system for secretion and intracellular expression. A protein expressed by the mammalian cell system is of very high-quality and close to the natural protein. But the low expression level, the high cost of medium and the culture conditions restrict the promotion of mammalian cell expression systems. The yeast protein expression system serve as a eukaryotic system integrate the advantages of the mammalian cell expression system. A protein expressed by yeast system could be modiflicated such as glycosylation, acylation, phosphorylation and so on to ensure the native protein conformation. It can be used to produce protein material with high added value that is very close to the natural protein. Our proteins produced by yeast expression system has been used as raw materials for downstream preparation of monoclonal antibodies.

Restrictions: For Research Use only

## Handling

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Format: Lyophilized

## Handling

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Concentration:	0.2-2 mg/mL
Buffer:	Tris-based buffer, 50 % glycerol
Handling Advice:	Repeated freezing and thawing is not recommended. Store working aliquots at 4 °C for up to one week
Storage:	-20 °C
Storage Comment:	Store at -20 °C, for extended storage, conserve at -20 °C or -80 °C.