

## 32-7667: Recombinant Human Mannoside Acetylglucosaminyltransferase 2/GlcNAc-TII (C-6His)

**Gene :** MGAT2  
**Gene ID :** 4247  
**Uniprot ID :** Q10469

### Description

Source: Human Cells.  
MW :49.3kD.

Recombinant Human Mannoside Acetylglucosaminyltransferase 2 is produced by our Mammalian expression system and the target gene encoding Arg30-Gln447 is expressed with a 6His tag at the C-terminus. Mannoside Acetylglucosaminyltransferase 2 (MGAT2) is a single-pass type II membrane protein that contains the typical glycosyltransferase domains: a short N-terminal cytoplasmic domain, a hydrophobic non-cleavable signal-anchor domain and a C-terminal catalytic domain. MGAT2 catalyzes an essential step in the conversion of oligo-mannose to complex N-glycans. Defects in MGAT2 are the cause of congenital disorder of glycosylation type 2A.

### Product Info

**Amount :** 10 µg / 50 µg  
**Content :** Supplied as a 0.2 µm filtered solution of 20mM TrisHCl,150mM NaCl, pH8.0 .  
**Storage condition :** Store at -20°C, stable for 6 months after receipt. Please minimize freeze-thaw cycles.  
**Amino Acid :** RQRKNEALAPLLDAEPARGAGGRGGDHPSVAVGIRRVSNVSAASLVPVAVPQPEADNLTLYRSLVYQLNFDQ  
TLRNVDKAGTWAPRELVLVQVHNRPEYLRLLDLSLRKAQGIDNVLVIFSHDFWSTEINQLIAGVNFPCVQLQVFF  
PFSIQLYPNEFPGSDPRDCPRDLPKNAALKLGCINAEYPDSFGHYREAKFSQTKHHWWWKLFVWERVKILRD  
YAGLILFLEEDHYLAPDFYHVFKKMWKLKQCEPCDVLSLGTYSASRSFYGMADKVDVKTWKSTEHNMGAL  
TRNAYQKLIECTDTFCTYDDYNWDWTLQYLTVSCLPKFWKLVLPQIPRIFHAGDCGMHHKTCRPSTQSAQIES  
LLNNNKQYMFETLTISEKFTVVAISPPRKNGGWGDIRDHELCKSYRRLQLDHHHHHHH

### Application Note

**Endotoxin :** Less than 0.1 ng/µg (1 IEU/µg) as determined by LAL test.