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# 32-2537: MGAT2 Recombinant Protein

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| **Alternative Name :** | Mannosyl (Alpha-1,6-)-Glycoprotein Beta-1,2-N-Acetylglucosaminyltransferase,GlcNAc-T II,Mannoside Acetylglucosaminyltransferase 2,GNT-II,Beta-1,2-N-Acetylglucosaminyltransferase II,N-Glycosyl-Oligosaccharide-Glycoprotein N-Acetylglucosaminyltran |

## Description

Source : Escherichia Coli. MGAT2 Human Recombinant produced in E.Coli is a single, non-glycosylated polypeptide chain containing 439 amino acids (30-447a.a) and having a molecular mass of 50kDa. MGAT2 is fused to a 21 amino acid His-tag at N-terminus & purified by proprietary chromatographic techniques. Mannoside Acetylglucosaminyltransferase 2 (MGAT2) is a golgi enzyme catalyzing an vital step in the conversion of oligomannose to complex N-glycans. MGAT2 enzyme has the characteristic glycosyltransferase domains: a short N-terminal cytoplasmic domain, a hydrophobic non-cleavable signal-anchor domain, and a C-terminal catalytic domain. MGAT2 gene mutations may lead to carbohydrate-deficient glycoprotein syndrome, type II.

## Product Info

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| **Amount :** | 20 µg |
| **Purification :** | Greater than 85.0% as determined by SDS-PAGE. |
| **Content :** | MGAT2 protein solution (1mg/ml) containing 20mM Tris-HCl buffer (pH 8.0), 10% glycerol and 0.4M urea. |
| **Storage condition :** | Store at 4°C if entire vial will be used within 2-4 weeks. Store, frozen at -20°C for longer periods of time.For long term storage it is recommended to add a carrier protein (0.1% HSA or BSA).Please avoid freeze thaw cycles. |
| **Amino Acid :** | MGSSHHHHHH SSGLVPRGSH MRQRKNEALA PPLLDAEPAR GAGGRGGDHP SVAVGIRRVS NVSAASLVPA VPQPEADNLT LRYRSLVYQL NFDQTLRNVD KAGTWAPREL VLVVQVHNRP EYLRLLLDSL RKAQGIDNVL VIFSHDFWST EINQLIAGVN FCPVLQVFFP FSIQLYPNEF PGSDPRDCPR DLPKNAALKL GCINAEYPDS FGHYREAKFS QTKHHWWWKL HFVWERVKIL RDYAGLILFL EEDHYLAPDF YHVFKKMWKL KQQECPECDV LSLGTYSASR SFYGMADKVD VKTWKSTEHN MGLALTRNAY QKLIECTDTF CTYDDYNWDW TLQYLTVSCL PKFWKVLVPQ IPRIFHAGDC GMHHKKTCRP STQSAQIESL LNNNKQYMFP ETLTISEKFT VVAISPPRKN GGWGDIRDHE LCKSYRRLQ. |