

Recombinant Human MGAT2, His-tagged

Cat. No. MGAT2-92H Lot. No. (See product label)

SPECIFICATION

Product Overview Recombinant Human Mannoside Acetylglucosaminyltransferase 2/MGAT2 is produced by our mammalian expression system in human cells. The target protein is expressed with sequence (Arg30-Gln447) of Human MGAT2 fused with a 6His tag at the C-terminus.

Species Human

Source HEK293

ProteinLength 30-447 a.a.

Description 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.

AA Sequence
 RQRKNEALAPLLDAEPARGAGGRGGDHPSVAVGIRRVSINVSAASLVPVAVPQPEA
 DNLTLYRSL VYQLNFDQTLRNVDKAGTWAPRELVLVVQVHNRPEYLRLLLLDSLK
 AQQIDNVLVIFSHDFWSTE INQLIAGVNFPCVLQVFFPFSIQLYPNEFFGSDPRDCPR
 DLPKNAALKLGCINAEYPDSFGHYRE AKFSQTKHHWWWKLFVWERVKILRDYAG
 LILFLEEDHYLAPDFYHVFKKMWKLKQQECPECDVL SLGTYSASRSFYGMADKVDV
 KTWKSTEHNMGLALTRNAYQKLIECTDTFCTYDDYNWDWTLQYLT VSCLPKFWKV

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LVPQIPRIFHAGDCGMHHKKTCPSTQSAQIESLLNNNKQYMPETLTISEKFTV VAI
SPPRKNGGWGDIRDHELCKSYRRLQLDHHHHHH

Endotoxin


Less than 0.1 ng/μg (1 IEU/μg).

Purity

Greater than 95% as determined by reducing SDS-PAGE.

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