

Recombinant Human MGAT2/GlcNAc-TII Protein (His Tag)



Catalog Number:PKSH032737

Note: Centrifuge before opening to ensure complete recovery of vial contents.

Description

Synonyms

Alpha-1;6-Mannosyl-Glycoprotein 2-Beta-N-Acetylglucosaminyltransferase;Beta-1;2-N-acetylglucosaminyltransferase II;GlcNAc-T II;NT-II;Mannoside Acetylglucosaminyltransferase 2;N-Glycosyl-Oligosaccharide-Glycoprotein N-Acetylglucosaminyltransferase II;MGAT2

Species

Human

Expression Host

HEK293 Cells

Sequence

Arg30-Gln447

Accession

Q10469

Calculated Molecular Weight

49.3 kDa

Observed molecular weight

50 kDa

Tag

C-His

Properties

Purity

> 95 % as determined by reducing SDS-PAGE.

Endotoxin

< 1.0 EU per μ g of the protein as determined by the LAL method.

Storage

Store at < -20°C, stable for 6 months. Please minimize freeze-thaw cycles.

Shipping

This product is provided as liquid. It is shipped at frozen temperature with blue ice/gel packs. Upon receipt, store it immediately at < - 20°C.

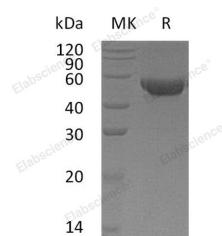
Formulation

Supplied as a 0.2 μ m filtered solution of 20mM Tris-HCl, 150mM NaCl, pH 8.0.

Reconstitution

Not Applicable

Data



> 95 % as determined by reducing SDS-PAGE.

Background

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.

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