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

Catalog Number:PKSH032737

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

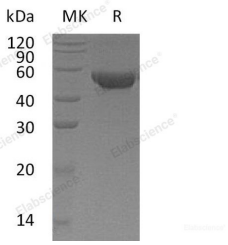
Description

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 μg 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 μm 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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