

## Product datasheet for **TP720707**

### **POMGNT1 (NM\_017739) Human Recombinant Protein**

#### **Product data:**

<b>Product Type:</b>	Recombinant Proteins
<b>Description:</b>	Purified recombinant protein of Human protein O-linked mannanose beta1,2-N-acetylglucosaminyltransferase (POMGNT1), transcript variant 1
<b>Species:</b>	Human
<b>Expression Host:</b>	HEK293
<b>Expression cDNA Clone or AA Sequence:</b>	Leu59-Thr660
<b>Tag:</b>	C-His
<b>Predicted MW:</b>	69.3 kDa
<b>Purity:</b>	>95% as determined by SDS-PAGE and Coomassie blue staining
<b>Buffer:</b>	Supplied as a 0.2 um filtered solution of 20mM Tris-HCl, 150mM NaCl, 10% Glycerol, pH 8.5.
<b>Endotoxin:</b>	Endotoxin level is < 0.1 ng/μg of protein (< 1 EU/μg)
<b>Storage:</b>	Store at < -20°C, stable for 6 months after receipt. Please minimize freeze-thaw cycles.
<b>Stability:</b>	Stable for at least 3 months from date of receipt under proper storage and handling conditions.
<b>RefSeq:</b>	<a href="#">NP_060209</a>
<b>Locus ID:</b>	55624
<b>UniProt ID:</b>	<a href="#">Q8WZA1</a>
<b>RefSeq Size:</b>	2753
<b>Cytogenetics:</b>	1p34.1
<b>RefSeq ORF:</b>	1980
<b>Synonyms:</b>	gnT-I.2; GNTI.2; GnT I.2; LGMD2O; LGMDR15; MEB; MGAT1.2; RP76
<b>Summary:</b>	This gene encodes a type II transmembrane protein that resides in the Golgi apparatus. It participates in O-mannosyl glycosylation and is specific for alpha linked terminal mannanose. Mutations in this gene may be associated with muscle-eye-brain disease and several congenital muscular dystrophies. Alternatively spliced transcript variants that encode different protein isoforms have been described. [provided by RefSeq, Feb 2014]



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**Protein Pathways:** O-Mannosyl glycan biosynthesis