

Product datasheet for **TP720726M**

MAN1B1 (NM_016219) Human Recombinant Protein

Product data:

Product Type:	Recombinant Proteins
Description:	Purified recombinant protein of Human mannosidase, alpha, class 1B, member 1 (MAN1B1)
Species:	Human
Expression Host:	HEK293
Expression cDNA Clone or AA Sequence:	Asp106-Ala699
Tag:	C-His
Predicted MW:	68.7 kDa
Purity:	>95% as determined by SDS-PAGE and Coomassie blue staining
Buffer:	Provided lyophilized from a 0.2 µm filtered solution of 20 mM Tris-HCl, 150 mM NaCl
Endotoxin:	Endotoxin level is < 0.1 ng/µg of protein (< 1 EU/µg)
Storage:	Store at -80°C.
Stability:	Stable for at least 3 months from date of receipt under proper storage and handling conditions.
RefSeq:	<u>NP_057303</u>
Locus ID:	11253
UniProt ID:	<u>Q9UKM7</u>
RefSeq Size:	2787
Cytogenetics:	9q34.3
RefSeq ORF:	2097
Synonyms:	ERMAN1; ERManI; MANA-ER; MRT15

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Summary:	This gene encodes an enzyme belonging to the glycosyl hydrolase 47 family. This enzyme functions in N-glycan biosynthesis, and is a class I alpha-1,2-mannosidase that specifically converts Man9GlcNAc to Man8GlcNAc isomer B. It is required for N-glycan trimming to Man5-6GlcNAc2 in the endoplasmic-reticulum-associated degradation pathway. Mutations in this gene cause autosomal-recessive intellectual disability. Alternative splicing results in multiple transcript variants. A related pseudogene has been identified on chromosome 11. [provided by RefSeq, Dec 2011]
Protein Families:	Transmembrane
Protein Pathways:	Metabolic pathways, N-Glycan biosynthesis