

## Product datasheet for **AM26764PU-N**

### **LARGE (LARGE1) (35-142) Mouse Monoclonal Antibody [Clone ID: LARGE-02]**

#### **Product data:**

Product Type:	Primary Antibodies
Clone Name:	LARGE-02
Applications:	FC, WB
Recommended Dilution:	<b>Flow cytometry.</b> <b>Western blot.</b>
Reactivity:	Human
Host:	Mouse
Isotype:	IgG2b
Clonality:	Monoclonal
Immunogen:	Recombinant fragment of human LARGE1 (amino acids 35-142)
Specificity:	This antibody recognizes human LARGE1, a glycosyltransferase localizing mainly to the Golgi apparatus. Crossreactivity with LARGE2 was not determined.
Formulation:	Phosphate buffered saline (PBS) State: Purified State: Liquid Ig fraction Preservative: 15 mM sodium azide, approx. pH 7.4
Concentration:	lot specific
Purification:	Protein-A affinity chromatography (> 95% pure by SDS-PAGE)
Conjugation:	Unconjugated
Storage:	Store undiluted at 2-8°C. <b>DO NOT FREEZE!</b>
Stability:	Shelf life: one year from despatch.
Gene Name:	LARGE xylosyl- and glucuronyltransferase 1
Database Link:	<a href="#">Entrez Gene 9215 Human</a> <a href="#">O95461</a>



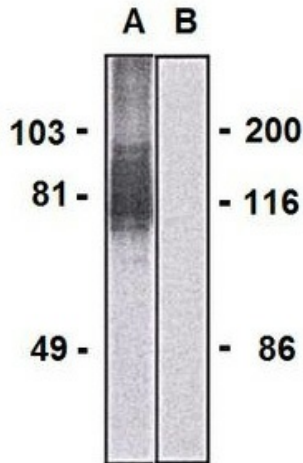
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**Background:**

LARGE1 serves as a glycosyltransferase which participates in glycosylation of the muscle membrane protein alpha-dystroglycan. Mutations of LARGE1 lead to hypoglycosylation of alpha-dystroglycan and cause congenital muscular dystrophy (MDC1D) associated with severe mental retardation. Altered alpha-dystroglycan glycosylation may also play a role in cancer, as hypoglycosylation of the protein and loss of laminin binding have been demonstrated in invasive carcinoma cells.

**Synonyms:**

LARGE, KIAA0609, LARGE1, Glycosyltransferase-like protein LARGE1, Acetylglucosaminyltransferase-like 1A

**Product images:**

Western blotting analysis of LARGE1 in HEK293-LARGE1 transfectants (A) and HEK293 cells (B) using mouse monoclonal antibody (clone LARGE-02).