

Recombinant Human LARGE1 protein, His & GST-tagged

Cat. No. LARGE1-1601H Lot. No. (See product label)

SPECIFICATION

Product Overview	Recombinant Human LARGE1 aa. (Thr25~Ala178 (Accession # O95461)) fused with N-terminal His & GST tag was produced in E. coli cells.
Species	Human
Source	E.coli
ProteinLength	Thr25~Ala178
Description	This gene, which is one of the largest in the human genome, encodes a member of the N-acetylglucosaminyltransferase gene family. It encodes a glycosyltransferase which participates in glycosylation of alpha-dystroglycan, and may carry out the synthesis of glycoprotein and glycosphingolipid sugar chains. It may also be involved in the addition of a repeated disaccharide unit. Mutations in this gene cause MDC1D, a novel form of congenital muscular dystrophy with severe cognitive disability and abnormal glycosylation of alpha-dystroglycan. Alternative splicing of this gene results in two transcript variants that encode the same protein.
Form	Freeze-dried powder
Molecular Mass	Predicted Molecular Mass: 47.0kDa
Endotoxin	<1.0EU per 1ug (determined by the LAL method)
Purity	>95%

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Applications	SDS-PAGE; WB; ELISA; IP.
Stability	The thermal stability is described by the loss rate. The loss rate was determined by accelerated thermal degradation test, that is, incubate the protein at 37°C for 48h, and no obvious degradation and precipitation were observed. The loss rate is less than 5% within the expiration date under appropriate storage condition.
Storage	Avoid repeated freeze/thaw cycles. Store at 2-8°C for one month. Aliquot and store at -80°C for 12 months.
Storage buffer	Supplied as lyophilized form in PBS, pH7.4, containing 5% trehalose, 0.01% sarcosyl.
Reconstitution	Reconstitute in sterile PBS, pH7.2-pH7.4.
Isoelectric Point	7

GENE INFORMATION

Gene Name	LARGE1 LARGE xylosyl- and glucuronyltransferase 1 [Homo sapiens (human)]
Official Symbol	LARGE1
Synonyms	LARGE1; LARGE xylosyl- and glucuronyltransferase 1; LARGE; MDC1D; MDDGA6; MDDGB6; LARGE xylosyl- and glucuronyltransferase 1; glycosyltransferase-like protein LARGE1; acetylglucosaminyltransferase-like 1A; acetylglucosaminyltransferase-like protein
Gene ID	9215
mRNA Refseq	NM_004737.5

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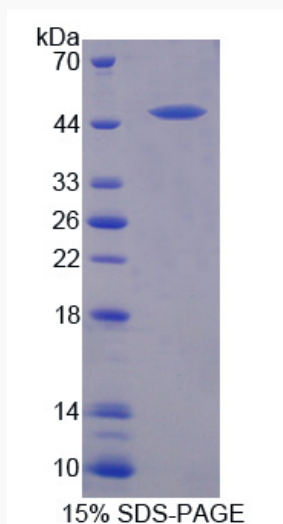
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Protein Refseq NP_004728.1

UniProt ID O95461

SDS-PAGE



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