

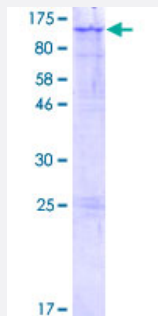
Full-Length

LARGE (Human) Recombinant Protein (P01)

Catalog # H00009215-P01

Size 25 ug, 10 ug

Applications



Specification

Product Description

Human LARGE full-length ORF (NP_004728.1, 1 a.a. - 756 a.a.) recombinant protein with GST-tag at N-terminal.

Sequence

MLGICRGRRKFLAASLSLLCIPAITWYLFSGSFEDGKPVSLSPLESQAHSPTYASSQRERESLEV
RMREVEEENRALRRQLSLAQGRAPSHRRGNHSTYSMEEGTGDSNL RAGVAGNSSECGQQP
VVEKCETIHVAIVCAGYNASRDVVTLVKSVLFHRRNPLHFHFIADSI AEQILATLFQTMVPAVRVD
FYNADCLKSEVSWIPNKHYSGYGLMKLVLT KTLPANLERVIVLDTITFATDIAELWAVFHKFKGQQ
VLGLVENQSDWYLGNLWKNHRPWPALGRGYNTGVILLLLDKLRKMKWEQMWRLTAERELMGML
STSLADQDIFNAVIKQNPFLVYQLPCFWNVQLSDHTRSEQCYRDVSDLVKVIHWNSPKKLRVKNKH
VEFFRNLYLTFLEYDGNLLRRELF GCPSEADVNSENLQKQSELDEDDLCYEFRRERFTVHRTHL
YFLHYEYEPAADSTDVTLVAQLSMDRLQMLEAICKHWEGPISLALYLSDAEAQQFLRYAQQSEVL
MSRHNVGYHIVYKEGQFYFVNLLRNVAMKHISTPYMFLSDIDFLPMYGLYEYLRKSVIQLDLANTKK
AMVPAFETLRYRLSFPKSKAELLSMLDMGTLFTFRYHVWTKGHAPT NF AKWRTATTPYRVEWEA
DFEPYVVVRRDCPEYDRRFVGF GWNKVAHIMELDVQEYFIVLPNAYMIHMPHAPSFDITKFRSN
KQYRICLKTLEEFQQDMSRRYGFAALKYLT AENNS

Host

Wheat Germ (in vitro)

Theoretical MW (kDa)

114.5

Interspecies Antigen Sequence

Mouse (97)

Preparation Method

[in vitro wheat germ expression system](#)

Purification	Glutathione Sepharose 4 Fast Flow
Quality Control Testing	12.5% SDS-PAGE Stained with Coomassie Blue.
Storage Buffer	50 mM Tris-HCl, 10 mM reduced Glutathione, pH=8.0 in the elution buffer.
Storage Instruction	Store at -80°C. Aliquot to avoid repeated freezing and thawing.
Note	Best use within three months from the date of receipt of this protein.

Applications

- Enzyme-linked Immunoabsorbent Assay
- Western Blot (Recombinant protein)
- Antibody Production
- Protein Array

Gene Info — LARGE

Entrez GeneID	9215
GeneBank Accession#	NM_004737.3
Protein Accession#	NP_004728.1
Gene Name	LARGE
Gene Alias	KIAA0609, MDC1D
Gene Description	like-glycosyltransferase
Omim ID	603590 608840
Gene Ontology	Hyperlink

Gene Summary	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 mental retardation and abnormal glycosylation of alpha-dystroglycan. Alternative splicing of this gene results in two transcript variants that encode the same protein. [provided by RefSeq]
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Other Designations

OTTHUMP00000028624|acetylglucosaminyltransferase-like 1A|acetylglucosaminyltransferase-like protein

Disease

- [Genetic Predisposition to Disease](#)
- [Kidney Failure](#)
- [Muscular Dystrophies](#)
- [Tobacco Use Disorder](#)