

Recombinant Full Length Human POMK Protein, GST-tagged

Cat. No. POMK-4963HF **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Human FLJ23356 full-length ORF (NP_115613.1, 1 a.a. - 350 a.a.) recombinant protein with GST-tag at N-terminal.
Species	Human
Source	In Vitro Cell Free System
ProteinLength	350 amino acids
Description	This gene encodes a protein that may be involved in the presentation of the laminin-binding O-linked carbohydrate chain of alpha-dystroglycan (α-DG), which forms transmembrane linkages between the extracellular matrix and the exoskeleton. Some pathogens use this O-linked carbohydrate unit for host entry. Loss of function compound heterozygous mutations in this gene were found in a human patient affected by the Walker-Warburg syndrome (WWS) phenotype. Mice lacking this gene contain misplaced neurons (heterotopia) in some regions of the brain, possibly from defects in neuronal migration. Alternative splicing of this gene results in multiple transcript variants. [provided by RefSeq, May 2013]
Molecular Mass	66.4 kDa
AA Sequence	MEKQPQNSRRGLAPREVPPAVGLLLIMALMNTLLYLCLDHFFIAPRQSTVDPTHCPY GHFRIGQMKNCS PWLSCEE LRTEVRQLKRVGEGAVKRVFLSEWKEHKVALS QLTS L EMKDDFLHGLQMLKSLQGTHVVTLLGYCEDDNTMLTEYHPLGSLSNLEETLNLSKY QNVNTWQHRLELAMDYVSIINY LHSPVGTRVMCDSDNLPKTL SQYLLTSNFSILAN

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DLDALPLVNHSSGMLVKCGHRELHGDFVAPEQLWPYGEDVPFHDDLMP SYDEKIDI
WKIPDISSFLLGHIEGSDMVRFHFLFDIHKACKSQTPSERPTAQDVLETYQKVLDTLRD
AMMSQAREML

Applications

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

Notes

Best use within three months from the date of receipt of this protein.

Storage

Store at -80 centigrade. Aliquot to avoid repeated freezing and thawing.

Storage Buffer

50 mM Tris-HCl, 10 mM reduced Glutathione, pH=8.0 in the elution buffer.

GENE INFORMATION

Gene Name

POMK protein-O-mannose kinase [Homo sapiens (human)]

Official Symbol

POMK

Synonyms

POMK

Gene ID

84197

mRNA Refseq

NM_032237

Protein Refseq

NP_115613

MIM

615247

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