Recombinant Human POMK Protein, MYC/DDK-tagged

Cat. No. POMK-2450H **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant Human POMK protein, fused to MYC/DDK-tagged at C-terminus, was expressed in HEK293.
Species	Human
Source	HEK293
Description	This gene encodes a protein that may be involved in the presentation of the laminin-binding O-linked carbohydrate chain of alpha-dystroglycan (a-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.
Form	25 mM Tris.HCl, pH 7.3, 100 mM glycine, 10% glycerol.
Molecular Mass	39.9 kDa
Purity	> 80% as determined by SDS-PAGE and Coomassie blue staining
Concentration	>50 ug/mL as determined by microplate BCA method

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GENE INFORMATION

Gene Name	POMK protein-O-mannose kinase [Homo sapiens]
Official Symbol	POMK
Synonyms	MDDGA12; MDDGC12; SGK196
Gene ID	84197
mRNA Refseq	NM_001277971.1
Protein Refseq	NP_001264900.1
MIM	615247
UniProt ID	Q9H5K3

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