

Recombinant Human POMK Protein, MYC/DDK-tagged, C13 and N15-labeled

Cat. No. POMK-110H **Lot. No.** (See product label)

SPECIFICATION

Product Overview	SGK196 MS Standard C13 and N15-labeled recombinant protein (NP_115613) with a C-terminal MYC/DDK tag, was expressed in HEK293 cells.
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 (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.
Molecular Mass	40 kDa
AA Sequence	MEKQPQNSRRGLAPREVPPAVGLLLIMALMNTLLYLCLDHFFIAPRQSTVDPTHCPY GHFRIGQMKNCS PWLSCEELRTEVRQLKRVGEGAVKRVFLSEWKEHKVALSQLTSL EMKDDFLHGLQMLKSLQGTHVVTLLGYCEDDNTMLTEYHPLGSLSNLEETLNLSKY QNVNTWQHRLELAMDYVSIINYLHHSPVGTRVMCDSNDLPKTL SQYLLTSNFSILAN

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DLDALPLVNHSSGMLVKCGHRELHGDFVAPEQLWPYGEDVPFHDDLMP SYDEKIDI
WKIPDISSFLLGHIEGSDMVRFHFLFDIHKACKSQTPSERPTAQDVLETYQKVLDTLRD
AMMSQAREMLTRTRPLEQKLISEEDLAANDILDYKDDDDKV

Purity > 80% as determined by SDS-PAGE and Coomassie blue staining

Stability Stable for 3 months from receipt of products under proper storage and handling conditions.

Storage Store at -80 centigrade. Avoid repeated freeze-thaw cycles.

Concentration 50 µg/mL as determined by BCA

Storage Buffer 100 mM glycine, 25 mM Tris-HCl, pH 7.3.

GENE INFORMATION

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

Official Symbol POMK

Synonyms POMK; protein O-mannose kinase; MDDGA12; MDDGC12; SGK196; protein O-mannose kinase; Sugen kinase 196; probable inactive protein kinase-like protein SgK196; protein kinase-like protein SgK196; EC 2.7.1.183

Gene ID 84197

mRNA Refseq NM_032237

Protein Refseq NP_115613

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MIM 615247

UniProt ID Q9H5K3

SDS-PAGE



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