

Product datasheet for PH322797

SGK196 (POMK) (NM_032237) Human Mass Spec Standard

Product data:

Product Type:	Mass Spec Standards
Description:	SGK196 MS Standard C13 and N15-labeled recombinant protein (NP_115613)
Species:	Human
Expression Host:	HEK293
Expression cDNA Clone or AA Sequence:	RC222797
Predicted MW:	40 kDa
Protein Sequence:	>RC222797 protein sequence Red=Cloning site Green=Tags(s)

MEKQPQNSRRGLAPREVPPAVGLLLIMALMNTLLYLCLDHFIIAPRQSTVDPTHCPYGHFRIGQMKNCSPLWLSCEELRTEVRQLKRVGEGAVKRVFLSEWKEHKVALSQLTSLEMKDDFLHGLQMLKSLQGTHVVTLLGYCEDDNTMLTEYHPLGSLSNLEETLNL SKYQNVNTWQHRLELAMDYVSIINYLHHSVPVTRVMCDSDNLPKTL SQYLLTSNFSILANDLDALPLVNHSSGMLVKCGHRELHGDFVAPEQLWPYGEDVPFHDDLMPYDEKIDIWKIPDISSFLLGHIEGSDMVRFHLDIHKACKSQTPSERPTAQDVLETYQKVLDTLRDAMMSQAREML

TRTRPLEQKLI SEEDLAANDILDYKDDDDKV

Tag:	C-Myc/DDK
Purity:	> 80% as determined by SDS-PAGE and Coomassie blue staining
Concentration:	>0.05 µg/µL as determined by microplate BCA method
Labeling Method:	Labeled with [U- ¹³ C ₆ , ¹⁵ N ₄]-L-Arginine and [U- ¹³ C ₆ , ¹⁵ N ₂]-L-Lysine
Buffer:	25 mM Tris-HCl, 100 mM glycine, pH 7.3
Storage:	Store at -80°C. Avoid repeated freeze-thaw cycles.
Stability:	Stable for 3 months from receipt of products under proper storage and handling conditions.
RefSeq:	<u>NP_115613</u>
RefSeq Size:	1623
RefSeq ORF:	1050
Synonyms:	MDDGA12; MDDGC12; SGK196
Locus ID:	84197



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UniProt ID: [Q9H5K3](#)

Cytogenetics: 8p11.21

Summary: 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. [provided by RefSeq, May 2013]

Protein Families: Druggable Genome, Protein Kinase, Transmembrane

Product images:



Coomassie blue staining of purified POMK protein (Cat# [TP322797]). The protein was produced from HEK293T cells transfected with POMK cDNA clone (Cat# [RC222797]) using MegaTran 2.0 (Cat# [TT210002]).