

# **Product datasheet for PH322797**

#### OriGene Technologies, Inc.

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### 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)

MEKQPQNSRRGLAPREVPPAVGLLLIMALMNTLLYLCLDHFFIAPRQSTVDPTHCPYGHFRIGQMKNCSP WLSCEELRTEVRQLKRVGEGAVKRVFLSEWKEHKVALSQLTSLEMKDDFLHGLQMLKSLQGTHVVTLLGY CEDDNTMLTEYHPLGSLSNLEETLNLSKYQNVNTWQHRLELAMDYVSIINYLHHSPVGTRVMCDSNDLPK TLSQYLLTSNFSILANDLDALPLVNHSSGMLVKCGHRELHGDFVAPEQLWPYGEDVPFHDDLMPSYDEKI DIWKIPDISSFLLGHIEGSDMVRFHLFDIHKACKSQTPSERPTAQDVLETYQKVLDTLRDAMMSQAREML

TRTRPLEQKLISEEDLAANDILDYKDDDDKV

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- 13C6, 15N4]-L-Arginine and [U- 13C6, 15N2]-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:** NP 115613

RefSeq Size: 1623 RefSeq ORF: 1050

Synonyms: MDDGA12; MDDGC12; SGK196

**Locus ID:** 84197



#### SGK196 (POMK) (NM\_032237) Human Mass Spec Standard - PH322797

UniProt ID: Q9H5K3

Cytogenetics: 8p11.21

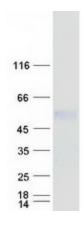
**Summary:** This gene encodes a protein that may be involved in the presentation of the laminin-binding

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]).