

## Product datasheet for PH300092

### SKIP (INPP5K) (NM\_016532) Human Mass Spec Standard

#### Product data:

Product Type:	Mass Spec Standards
Description:	INPP5K MS Standard C13 and N15-labeled recombinant protein (NP_057616)
Species:	Human
Expression Host:	HEK293
Expression cDNA Clone or AA Sequence:	RC200092
Predicted MW:	51.1 kDa
Protein Sequence:	>RC200092 protein sequence Red=Cloning site Green=Tags(s)

MSSRKLSPGPKGRRLSIHVVTWNVASAAPPLDLSDLLQLNRRNLNLDIYVIGLQELNSGIIISLLSDAAFND  
SWSSFLMDVLSPLSFIKVSIVRMOGILLLVFAKYQHLPIYIQLSTKSTPTGLFGYWGKGGVNICLKLYG  
YYVSIINCHLPPHISNNYQRLEHFDRILEMNCCEGRDIPNILDHDLIIWFGDMNFRIEDFGLHFVRESIK  
NRCYGGLEWKDQLSIKKHDPDLLREFQEGRLFPPTYKFDNRNSNDYDTSEKRRKPAWTDRLWRLKRQPC  
AGPDTPIPPASHFSLRGGYSSHMTYGISDHKPVSGTDFLELKPLVSAPLIVLMPEDLWTVENDMMVSY  
STSDFPSSPDWIGLYKVGRLRDVNDYVSYAWVGDSKVSNDLNQVYIDISNIPTTEDEFLLCYNSLR  
SVVGISRPFPQIPPGSLREDPLGEAQPQI

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- <sup>13</sup> C <sub>6</sub> , <sup>15</sup> N <sub>4</sub> ]-L-Arginine and [U- <sup>13</sup> C <sub>6</sub> , <sup>15</sup> N <sub>2</sub> ]-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_057616</u>
RefSeq Size:	3001
RefSeq ORF:	1344
Synonyms:	MDCCAID; PPS; SKIP



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Locus ID: 51763

UniProt ID: [Q9BT40](#)

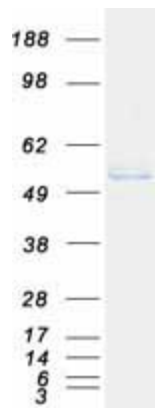
Cytogenetics: 17p13.3

**Summary:** This gene encodes a protein with 5-phosphatase activity toward polyphosphate inositol. The protein localizes to the cytosol in regions lacking actin stress fibers. It is thought that this protein may negatively regulate the actin cytoskeleton. Alternatively spliced transcript variants encoding different isoforms have been identified. [provided by RefSeq, Oct 2008]

**Protein Families:** Druggable Genome, Phosphatase

**Protein Pathways:** Inositol phosphate metabolism, Insulin signaling pathway, Metabolic pathways, Phosphatidylinositol signaling system

### Product images:



Coomassie blue staining of purified INPP5K protein (Cat# [TP300092]). The protein was produced from HEK293T cells transfected with INPP5K cDNA clone (Cat# [RC200092]) using MegaTran 2.0 (Cat# [TT210002]).