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# Product datasheet for PH327852

## SKIP (INPP5K) (NM_001135642) Human Mass Spec Standard

### Product data:

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|---|---|
| **Product Type:** | Mass Spec Standards |
| **Description:** | INPP5K MS Standard C13 and N15-labeled recombinant protein (NP_001129114) |
| **Species:** | Human |
| **Expression Host:** | HEK293 |
| **Expression cDNA Clone or AA Sequence:** | RC227852 |
| **Predicted MW:** | 51.1 kDa |
| **Protein Sequence:** | >RC227852 protein sequence<br>Red=Cloning site Green=Tags(s)<br><br>MSSRKLSGPKGRRLSIHVVTWNVASAAPPLDLSDLLQLNNRNLNLDIYVIGLQELNSGIISLLSDAAFND<br>SWSSFLMDVLSPLSFIKVSHVRMQGILLLVFAKYQHLPYIQILSTKSTPTGLFGYWGNKGGVNICLKLYG<br>YYVSIINCHLPPHISNNYQRLEHFDRILEMQNCEGRDIPNILDHDLIIWFGDMNFRIEDFGLHFVRESIK<br>NRCYGGLWEKDQLSIAKKHDPLLREFQEGRLLFPPTYKFDRNSNDYDTSEKKRKPAWTDRILWRLKRQPC<br>AGPDTPIPPASHFSLSLRGYSSHMTYGISDHKPVSGTFDLELKPLVSAPLIVLMPEDLWTVENDMMVSYS<br>STSDFPSSPWDWIGLYKVGLRDVNDYVSYAWVGDSKVSCSDNLNQVYIDISNIPTTEDEFLLCYYSNSLR<br>SVVGISRPFQIPPGSLREDPLGEAQPQI<br><br>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_001129114 |
| **RefSeq Size:** | 3391 |
| **RefSeq ORF:** | 1347 |
| **Synonyms:** | MDCCAID; PPS; SKIP |

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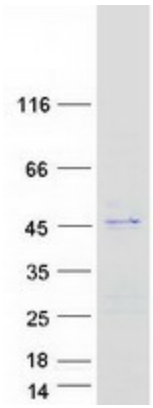
| **Locus ID:** | 51763 |
| **UniProt ID:** | Q9BT40, Q9BT40-2 |
| **Cytogenetics:** | 17p13.3 |
| **Summary:** | This gene encodes a protein with 5-phosphatase activity toward polyphosphate inositol. The protein localizes to the cytosol in regions lacking actin stress fibers. It is thought that this 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# [TP327852]). The protein was produced from HEK293T cells transfected with INPP5K cDNA clone (Cat# [RC227852]) using MegaTran 2.0 (Cat# [TT210002]).

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