

Product datasheet for **RC227852**

SKIP (INPP5K) (NM_001135642) Human Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	SKIP (INPP5K) (NM_001135642) Human Tagged ORF Clone
Tag:	Myc-DDK
Symbol:	SKIP
Synonyms:	MDCCAID; PPS; SKIP
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)



[View online »](#)

ORF Nucleotide Sequence:

>RC227852 ORF sequence
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGGATCGCC**

ATGAGCTCGCGGAAGCTGAGCGGGCCGAAAGGCAGGAGGCTCAGCATACACGTCGTGACTTGAACGTGG
 CTTCCGGCAGCGCCCCCTAGATCTCAGTGACCTGCTTCAGCTGAACAACCGGAACCTCAATCTTGACAT
 ATATGTTATTGGTTTGCAGGAATTGAACTCTGGGATCATAAGCCTCCTTTCCGATGCTGCCTTTAATGAC
 TCGTGGAGCAGTTTCTCATGGATGTGCTTTCCCTCTGAGCTTCATCAAGGTCTCCCATGTCCGTATGC
 AGGGGATCCTCTTACTGGTCTTTGCCAAGTATCAGCATTGGCCCTATATCCAGATTCTGTCTACTAAATC
 CACCCCACTGGCTGTTGGTACTGGGGAAACAAGGTGGAGTCAACATCTGCCTGAAGCTTTATGGC
 TACTATGTCAGCATCAACTGCCACCTGCCTCCACATTTCCAACAATTACCAGCGGCTGGAGCACT
 TTGACCGGATCCTGGAGATGCAGAATTGTGAGGGGCGAGACATCCCAAACATCCTGGACCAGCCTCAT
 TATCTGGTTTGGAGACATGAACCTTCGGATCGAGGACTTTGGGTTGCACCTTTGTTCCGGAATCCATTA
 AATCGGTGCTACGGTGGCTGTGGGAGAAGGACCAGCTCAGCATTGCCAAGAAACATGACCCGCTGCCTC
 GGGAGTCCAGGAGGGCCGCTACTCTTCCCGCCACCTACAAGTTTGATAGGAACTCCAACGACTATGA
 CACCAGTGAGAAAAACGCAAGCCTGCATGGACCGATCGCATCCTGTGGAGGCTGAAGCGGCAGCCCTGT
 GCTGGCCCCGACACTCCCATACCGCCGGCGTCACACTTCTCCTGTCTCTGAGGGCTACAGCAGCCACA
 TGACGTACGGCATCAGCGACCACAAGCCTGTCTCCGGCACGTTGACTTGGAGCTGAAGCCATTGGTGTCT
 TGCTCCGCTGATCGTCTGATGCCCGAGGACCTGTGGACCGTGGAAAATGACATGATGGTCAGCTACTCT
 TCAACCTCGGACTTCCCAGCAGCCGTTGGGACTGGATTGGACTGTACAAGGTGGGGCTGCGGGACGTTA
 ATGACTACGTGTCTATGCCTGGGTCGGGGACAGCAAGGTCTCCTGCAGCGACAACCTGAACCAGGTTTA
 CATCGACATCAGCAATATCCCTACCACTGAAGATGAGTTTCTCCTCTGTTACTACAGCAACAGTCTGCGT
 TCTGTGGTGGGATAAGCAGACCCTCCAGATCCCGCCTGGCTCCTTGGGGAGGACCCACTGGGTGAAG
 CACAGCCACAGATC

ACGCGTACGCGGGCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
 ACAAGGATGACGACGATAAGGTTTAA

Protein Sequence:

>RC227852 protein sequence
 Red=Cloning site Green=Tags(s)

MSSRKLSGPKGRRLSIHVVTWNVASAPPLDLSDLLQLNRRNLNLDIYVIGLQELNSGIIISLLSDAAFND
 SWSFLMDVLSPLSFIKVSVMQGIILLVFAKYQHLPYIQLSTKSTPTGLFGYWGNKGGVNICLKLYG
 YVYSIINCHLPPHISNNYQRLEHFDRILEMQNCEGRDIPNILDHDLIIWFGDMNFRIEDFGLHFVRESIK
 NRCYGGLEWKDQLSIKKHDPLLREFQEGRLFPPTYKFDNRNSNDYDTSEKKRKPAWTDRILWRLKRQPC
 AGPDTPIPPASHFSLSLRGYSSHMTYGISDHKPVSGTFDLELKPLYSAPLIVLMPEDLWTVENDMMVSY
 STSDFPSSPWDWIGLYKVGRLDNDYVSYAWVGDSKVSNDNLNQVYIDISNIPTTEDEFLLCYNSLSL
 SVVGISRPFQIPPGSLREDPLGEAQPQI

TRTRPLEQKLISEEDLAANDILDYKDDDDKV

Chromatograms:

https://cdn.origene.com/chromatograms/mk6398_e04.zip

Restriction Sites:

Sgfl-MluI

Cloning Scheme:


ACCN: NM_001135642

ORF Size: 1347 bp

OTI Disclaimer: The molecular sequence of this clone aligns with the gene accession number as a point of reference only. However, individual transcript sequences of the same gene can differ through naturally occurring variations (e.g. polymorphisms), each with its own valid existence. This clone is substantially in agreement with the reference, but a complete review of all prevailing variants is recommended prior to use. [More info](#)

OTI Annotation: This clone was engineered to express the complete ORF with an expression tag. Expression varies depending on the nature of the gene.

Components: The ORF clone is ion-exchange column purified and shipped in a 2D barcoded Matrix tube containing 10ug of transfection-ready, dried plasmid DNA (reconstitute with 100 ul of water).

Reconstitution Method:

1. Centrifuge at 5,000xg for 5min.
2. Carefully open the tube and add 100ul of sterile water to dissolve the DNA.
3. Close the tube and incubate for 10 minutes at room temperature.
4. Briefly vortex the tube and then do a quick spin (less than 5000xg) to concentrate the liquid at the bottom.
5. Store the suspended plasmid at -20°C. The DNA is stable for at least one year from date of shipping when stored at -20°C.

RefSeq Size: 3391 bp

RefSeq ORF: 1119 bp

Locus ID: 51763

UniProt ID: [Q9BT40](#)

Cytogenetics: 17p13.3

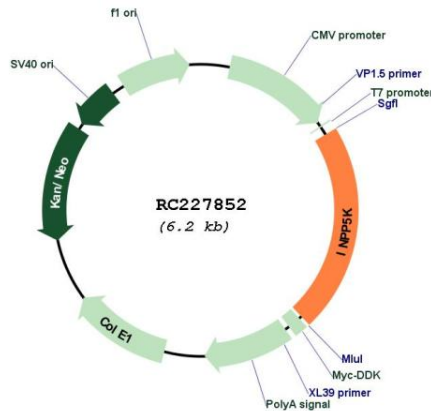
Protein Families: Druggable Genome, Phosphatase

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

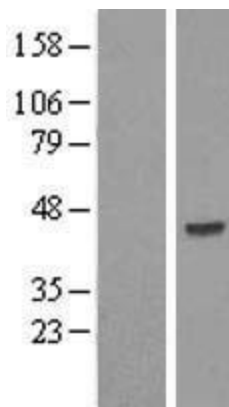
MW: 51.1 kDa

Gene 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]

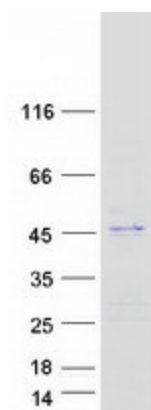
Product images:



Circular map for RC227852



Western blot validation of overexpression lysate (Cat# [LY427643]) using anti-DDK antibody (Cat# [TA50011-100]). Left: Cell lysates from untransfected HEK293T cells; Right: Cell lysates from HEK293T cells transfected with RC227852 using transfection reagent MegaTran 2.0 (Cat# [TT210002]).



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]).