

Product datasheet for **RG200092**

SKIP (INPP5K) (NM_016532) Human Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	SKIP (INPP5K) (NM_016532) Human Tagged ORF Clone
Tag:	TurboGFP
Symbol:	SKIP
Synonyms:	MDCCAID; PPS; SKIP
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-AC-GFP (PS100010)
E. coli Selection:	Ampicillin (100 ug/mL)



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ORF Nucleotide Sequence:

>RG200092 representing NM_016532
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGGATCGCC**

ATGAGCTCGCGGAAGCTGAGCGGGCCAAAGGCAGGAGGCTCAGCATAACGTCGTGACTTGAACGTGG
 CTTCCGGCAGCGCCCCCTAGATCTCAGTGACCTGCTTCAGCTGAACAACCGGAACCTCAATCTTGACAT
 ATATGTTATTGGTTTGCAGGAATTGAACTCTGGGATCATAAGCCTCCTTTCCGATGCTGCCTTTAATGAC
 TCGTGGAGCAGTTTCTCATGGATGTGCTTTCCCTCTGAGCTTCATCAAGGTCTCCCATGTCCGTATGC
 AGGGGATCCTCTTACTGGTCTTTGCCAAGTATCAGCATTGGCCCTATATCCAGATTCTGTCTACTAAATC
 CACCCCACTGGCCTGTTGGGTACTGGGGAAACAAAGGTGGAGTCAACATCTGCCTGAAGCTTTATGGC
 TACTATGTCAGCATCAACTGCCACCTGCCTCCACATTTCCAACAATTACCAGCGGCTGGAGCACT
 TTGACCGATCCTGGAGATGCAGAATTGTGAGGGGCGAGACATCCCAAACATCCTGGACCAGCAGCTCAT
 TATCTGGTTTGGAGACATGAACCTTCGGATCGAGGACTTTGGGTTGCACTTTGTTCCGGAATCCATTA
 AATCGGTGCTACGGTGGCCTGTGGGAGAAGGACCAGCTCAGCATTGCCAAGAAACATGACCCGCTGCTCC
 GGGAGTCCAGGAGGGCCGCTACTCTTCCCGCCACCTACAAGTTTGATAGGAACCTCAACGACTATGA
 CACCAGTGAGAAAAACGCAAGCCTGCATGGACCGATCGCATCCTGTGGAGGCTGAAGCGGCAGCCCTGT
 GCTGGCCCCGACACTCCCATACCGCCGGCGTCACACTTCTCCTGTCTCTGAGGGCTACAGCAGCCACA
 TGACGTACGGCATCAGCGACCACAAGCCTGTCTCCGGCACGTTGACTTTGGAGCTGAAGCCATTGGTGTCT
 TGCTCCGCTGATCGTCTGATGCCCGAGGACCTGTGGACCGTGGAAAATGACATGATGGTCAGCTACTCT
 TCAACCTCGGACTTCCCCAGCAGCCGTTGGGACTGGATTGGACTGTACAAGGTGGGGCTGCGGGACGTTA
 ATGACTACGTGTCTATGCCTGGGTCGGGGACAGCAAGGTCTCCTGCAGCGACAACCTGAACCAAGTTTA
 CATCGACATCAGCAATATCCCTACCACTGAAGATGAGTTTCTCCTCTGTTACTACAGCAACAGTCTGCGT
 TCTGTGGTGGGATAAGCAGACCCTCCAGATCCCGCCTGGCTCCTTGGGGAGGACCCACTGGGTGAAG
 CACAGCCACAGATC

ACGCGTACGCGGCCGCTCGAG - GFP Tag - GTTTAA

Protein Sequence:

>RG200092 representing NM_016532
 Red=Cloning site Green=Tags(s)

MSSRKLSGPKGRRLSIHVVTWNVASAPPLDLSDLLQLNRRNLNLDIYVIGLQELNSGIIISLLSDAAFND
 SWSSFLMDVLSPLSFIKVSVMQGIILLVFAKYQHLPYIQLSTKSTPTGLFGYWGNGGVNICKLYG
 YYVSIINCHLPPHISNNYQRLEHFDRILEMQNCEGRDIPNILDHDLIIWFGDMNFRIEDFGLHFVRESIK
 NRCYGGWLEKQQLSIKKHDPDLLREFQEGRLFPPTYKFDRNSNDYDTSEKKRKPAWTDRILWRLKRQPC
 AGPDTPIPPASHFSLSLRGYSSHMTYGISDHKPVSGTFDELEKPLVSAPLIVLMPEDLWTVENDMMVSY
 STSDFPSSPWDWIGLYKVGRLDNDYVSYAWVGDVSKVSCDNLNQYVIDISNIPTTEDEFLLCYYSNSLR
 SVVGISRPFQIPPGSLREDPLGEAQPQI

TRTRPLE - GFP Tag - V

Restriction Sites:

SgfI-MluI

Cloning Scheme:


ACCN: NM_016532

ORF Size: 1344 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: [NM_016532.4](#)

RefSeq Size: 2773 bp

RefSeq ORF: 1347 bp

Locus ID: 51763

UniProt ID: [Q9BT40](#)

Cytogenetics: 17p13.3

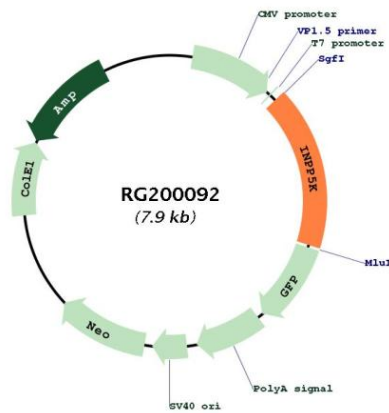
Domains: IPPc, Exo_endo_phos

Protein Families: Druggable Genome, Phosphatase

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

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 RG200092