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Product datasheet for SC325008

SKIP (INPP5K) (NM_001135642) Human Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	SKIP (INPP5K) (NM_001135642) Human Untagged Clone
Tag:	Tag Free
Symbol:	INPP5K
Synonyms:	MDCCAID; PPS; SKIP
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
Fully Sequenced ORF:	>SC325008 representing NM_001135642. Blue=Insert sequence Red=Cloning site Green=Tag(s) GCTCGTTTAGTGAACCGTCAGAATTTTGTAATACGACTCACTATAGGGCGGCCGGGAATTCGTCGACTG GATCCGGTACCGAGGAGATCTGCCGCCGCGATCGCC ATGGATGTGCTTTCCCCTCTGAGCTTCATCAAGGTCTCCCATGTCCGTATGCAGGGGATCCTCTTACTG GTCTTTGCCAAGTATCAGCATTTGCCCTATATCCAGATTCTGTCTACTAAATCCACCCCCACTGGCCTG TTTGGGTACTGGGGGAACAAAGGTGGAGTCAACATCTGCCTGAAGCTTTATGGCTACTATGTCAGCATC ATCAACTGCCACCTGCCTCCCCACATTTCCAACAATTACCAGCGGCTGGAGCACTTTGACCGGATCCTG GAGATGCAGAATTGTGAGGGGCGAGACATCCCAAACATCCTGGACCACGACCTCATTATCTGGTTTGGA GACATGAACTTTCGGATCGAGGACTTTGGGTTGCACTTTGTTCGGGAATCCATTAAAAATCGGTGCTAC GGTGGCCTGTGGGAGAAGGACCAGCTCAGCATTGCCAAGAAACATGACCCGCTGCTCCGGGAGTTCCAG GAGGGCCGCCTACTCTTCCCGCCCACCTACAAGTTTGATAGGAACTCCAACGACTATGACACCAGTGAG AAAAAACGCAAGCCTGCATGGACCGATCGCATCCTGTGGAGGCTGAAGCGGCAGCCCTGTGCTGGCCCC GACACTCCCATACCGCCGGCGTCACACTTCTCCTTGTCTCTGAGGGGCTACAGCAGCCACATGACGTAC GGCATCAGCGACCACAAGCCTGTCTCCGGCACGTTCGACTTGGAGCTGAAGCCATTGGTGTCTGCTCCG CTGATCGTCCTGATGCCCGAGGACCTGTGGACCGTGGAAAATGACATGATGGTCAGCTACTCTTCAACC TCGGACTTCCCCAGCAGCCCGTGGGACTGGATTGGACTGTACAAGGTGGGGCTGCGGGACGTTAATGAC TACGTGTCCTATGCCTGGGTCGGGGACAGCAAGGTCTCCTGCAGCGACAACCTGAACCAGGTTTACATC GACATCAGCAATATCCCTACCACTGAAGATGAGTTTCTCCTCTGTTACTACAGCAACAGTCTGCGTTCT GTGGTGGGGATAAGCAGACCCTTCCAGATCCCGCCTGGCTCCTTGAGGGAGGACCCACTGGGTGAAGCA CAGCCACAGATCTGA ACGCGTACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGAT TACAAGGATGACGACGATAAGGTTTAAACGGCCGGC
Restriction Sites:	SgfI-MluI

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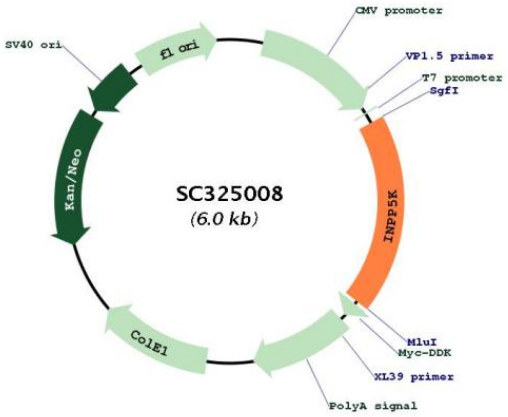
Plasmid Map:



ACCN:	NM_001135642
Insert Size:	1119 bp
OTI Disclaimer:	Our molecular clone sequence data has been matched to the reference identifier above as a point of reference. Note that the complete sequence of our molecular clones may differ from the sequence published for this corresponding reference, e.g., by representing an alternative RNA splicing form or single nucleotide polymorphism (SNP).
OTI Annotation:	This TrueClone is provided through our Custom Cloning Process that includes sub-cloning into OriGene's pCMV6 vector and full sequencing to provide a non-variant match to the expected reference without frameshifts, and is delivered as lyophilized plasmid DNA.
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_001135642.1
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:	42.8 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] Transcript Variant: This variant (3) has an additional segment in its 5' end, as compared to variant 1. The resulting isoform, isoform 2, has a shorter N-terminus, compared to isoform 1. Variants 2 and 3 encode the same isoform, isoform 2.