

Product datasheet for SC323538

PSKH1 (NM_006742) Human Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	PSKH1 (NM_006742) Human Untagged Clone
Tag:	Tag Free
Symbol:	PSKH1
Mammalian Cell Selection:	None
Vector:	<u>pCMV6-XL4</u>
E. coli Selection:	Ampicillin (100 ug/mL)
Fully Sequenced ORF:	>OriGene ORF within SC323538 sequence for NM_006742 edited (data generated by NextGen Sequencing)

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ATGGGCTGTGGACAAGCAAGGTCCTTCCCGAGCCACCCAAGGATGTCCAGCTGGATCTG
GTCAAGAAGGTGGAGCCCTTCAGTGGCACTAAGAGTGACGTGTACAAGCACTTCATCACA
GAGGTGGACAGTGTGGCCCTGTCAAAGCCGGGTCCACAGCAGCAAGTCAGTATGCACAC
CCCTGCCCCGGTCCCGGACTGTGGCCACACGGAGCCTCCCTCAGAACCACCACGCAGG
GCCAGGGTAGCTAAGTACAGGGCCAAGTTTGACCCACGTGTTACAGCTAAGTATGACATC
AAGGCCATAATTGGCCGAGGCAGCTTCAGCCGAGTGGTACGTGTAGAGCACCCGGGCAACC
CGGCAGCCGTATGCCATCATGATGATTGAGACCAAGTACCGGGAGGGGCGGGAGGTGTGT
GAGTCGGAGCTGCGTGTGCTGCGTGGGTGCGTCATGCCAACATCATCCAGCTGGTGGAG
GTGTTCCGAGACACAGGAGCGGGTACATGGTGTGGAGCTGGCCACTGGTGGAGAGCTC
TTTGACCGCATCATTGCCAAGGGCTCCTTCACCGAGCGTGACGCCACGCGGGTGTGCGAG
ATGGTGTGGATGGCGTCCGGTATCTGCATGCACTGGGCATCACACACCGAGACCTCAAA
CCTGAGAACTGTCTACTACCATCCGGGCACTGACTCCAAGATCATCATCACCAGCTTC
GGCCTGGCCAGTGTGCGCAAGAAGGGTGTGACTGCTTGTGAAGACCACCTGTGGCAGC
CCTGAGTACATTGCCCCAGAAGTCTGGTCCGCAAGCCATACACCAACTCAGTGGACATG
TGGGCGCTGGGCGTCATTGCCTACATCCTACTCAGTGGCACCATGCCGTTTGAGGATGAC
AACCGTACCCGGCTGTACCGGCAGATCCTCAGGGGCAAGTACAGTTACTCTGGGGAGCCC
TGGCCTAGTGTGTCCAACCTGGCCAAGGACTTCATTGACCGCCTGCTGACAGTGGACCCT
GGAGCCCGTATGACTGCACTGCAGGCCCTGAGGCACCCGTGGGTGGTGTGAGCATGGCTGCC
TCTTCATCCATGAAGAACCTGCACCGCTCCATATCCCAGAACCTCCTTAAACGTGCCCTCC
TCGCGCTGCCAGAGCACCAAATCTGCCAGTCCACGCGTTCAGCCGCTCCACACGCTCC
AATAAGTACGCGGTGTGCGGGAACGGGAGCTGCGGGAGCTCAACCTGCGCTACCAGCAG
CAATACAATGGCTGA

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Clone variation with respect to NM_006742.2
380 a=>t



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5' Read Nucleotide Sequence:	>OriGene 5' read for mutant NM_006742 unedited ACGGTACAACAAAGCAGCAGCGGAGGCTGAACTCGAGGGTAATATAGCAGACACATTAGGCGAACAAACAG AACAAAGCAACACGAACAAAACGAGCGGCCGCGAACCCGGCAGAAAAGCGGGCGGGCGGGCGGCCG CTGCCATTGCCCGGAGATGGCCGGCAGAGCCGCCGATACGCCATTATGGCCGGCCTCCCGCTTTATGTAG ATTGCTTTTTGGTAAAAAGAACTGAACTAACTTATGCCTTGGCTTTTCTTGCCTCCTTGTCTGAT TTACCCCGATCTACTACTAATTCTCAGTTTAAACCGCTTGGGTGTAGTGATTTAAGGTCACACCCACACA AAAATAACACACAAATATCATAATACGAAAGCCGAAATCCCATTAATGTATCAAATTCAGTACTACTAA TACCACCTAGACACCCAAAAAATAAAAAATAATTTAAATTTTAAATAACCAATCAATTATTACATATAA CACCAAATACTAATACTACAT
Kinase Domain Sequence:	>SC323538 kinase domain raw sequence. By performing BLASTX analysis with this sequence against NCBI reference protein database, you can confirm the presence of the kinase-deficient mutation TAGATATTGGCCGAGGCAGCTTCAGCCGAGTGGTACGTGTAGAGCACCGGCAACCCGGCAGCCGTATGC CATCATGATGATTGAGACCAAGTACCGGAGGGCGGGAGGTGTGTGAGTCGGAGCTGCGTGTGCTGCGT CGGGTGCCTCATGCCAACATCATCCAGCTGGTGGAGGTGTCGAGACACAGGAGCGGGTGTACATGGTGA TGGAGCTGGCCACTGGTGGAGAGCTCTTGACCGCATATTGCCA
Restriction Sites:	Please inquire
ACCN:	NM_006742
Insert Size:	4000 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 kinase-deficient mutant clone was generated by created by site-directed mutagenesis from the corresponding wild-type clone. See details in "Application of active and kinase-deficient kinome collection for identification of kinases regulating hedgehog signaling." Cell, 2008 May p536-548.
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:	<ol style="list-style-type: none"> 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_006742.1 , NP_006733.1
RefSeq Size:	3460 bp
RefSeq ORF:	1275 bp
Locus ID:	5681
UniProt ID:	P11801

Cytogenetics:	16q22.1
Protein Families:	Druggable Genome, Protein Kinase
Gene Summary:	May be a SFC-associated serine kinase (splicing factor compartment-associated serine kinase) with a role in intranuclear SR protein (non-snRNP splicing factors containing a serine/arginine-rich domain) trafficking and pre-mRNA processing.[UniProtKB/Swiss-Prot Function]