

Product datasheet for **SC337517**

SMEK2 (PPP4R3B) (NM_001282850) Human Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	SMEK2 (PPP4R3B) (NM_001282850) Human Untagged Clone
Tag:	Tag Free
Symbol:	SMEK2
Synonyms:	FLFL2; PP4R3B; PSY2; SMEK2; smk1
Mammalian Cell Selection:	Neomycin
Vector:	<u>PCMV6-Neo</u>
E. coli Selection:	Ampicillin (100 ug/mL)



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Fully Sequenced ORF: >NCBI ORF sequence for NM_001282850, the custom clone sequence may differ by one or more nucleotides

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ATGTCGGATACGCGGCGGCGAGTGAAGGTCTATACCCCTGAACGAAGACCGGCAATGGGACGACCGAGGCA
CCGGGCACGCTCCTCCACTTACGTGGAGGAGCTCAAGGGGATGTCGCTGCTGGTTCGGGCAGAGTCCGA
CGGATCACTACTTTGGAATCAAAGATAAATCCAATACTGCATATCAGAAACAACAGGATACATTAATT
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GGGAAAAAATTTGTCAGGTTCAAGGTAAGACCCATCAGTGGAAGTCACACAGGACCTCATTGATGAATC
TGAAGAAGAACGATTTGAAGAAATGCCTGAAACTAGTCATCTGATTGACCTGCCACATGTGAACCTCAAT
AAACTTGAAGAGATTGCTGACTTAGTTACCTCAGTGCTCTCCTCACCTATCCGTAGGGAAAAAGCTGGCTC
TCGCCTTGAAAAATGAAGGCTATATTAATAAACTATTGCAGCTGTTCCAAGCTTGCAGAGAACCTAGAAAA
CACTGAAGGCTTACACCATTTGTATGAAATTTAGAGGAATCTTATCCATAAATAGGCAACTCTTTTT
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TCTGTTTTTGAAGAGAATTTCTTTCTACTCTTACGCTTTTTATTTTCTCAACAAGTTGAGATAGTCA
GCATGTTGCAGGAAGATGAGAAGTTTTGTCTGAAGTTTTTGCACAATTAACAGATGAGGCTACAGATGA
TGATAAACGGCGTGAATTTGGTTAATTTTTCAAGGAGTTTTGTGCATTTTCTCAGACATTACAACCTCAA
AACAGGGATGCATTTTCAAACATTGGCAAAATTTGGAAATTTCTCTGCTCTTGAATTTGTAATGGGCA
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GAACAAATGATCTGTGATACTGATCCTGAGCTAGGAGCGCTGTTCAAGTTAATGGACTTCTTCGTAATC
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CAACCATTGTATGCATGTTCTCACAGCACCACTTTTGACCAATACTTCAGAAGACAAATGTGAAAAGGAT
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TAATTTTAGAGTTACTCACATTTTGTGTGGAACATCACACATATCACATAAAAAACTATATTATGAACAA
GGACTTGCTAAGAAGAGTCTTGGTCTTGTGATGAATTCAAAGCACACTTTTCTGGCCTTGTGTGCCCTTCGC
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GTTTGAATTTATAAGAGTGAAGATATCAAGTCTTACTGCCATATAGTTGAAAACCTTTATAAAGCA
CTTGAATCGATTGAATATGTTTCAGACATTCAAAGGATTGAAGACTAAATATGAGCAAGAAAAAGACAGAC
AAAATCAGAAACTGAACAGTGTACCATCTATATTGCGTAGTAACAGATTTTCGAGAGATGCAAAAAGCCTT
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TGCCAGTGCTGCTAATGGAACAAACAGTAAATCTGTAGTGGCTCAGATACCACCAGCAACTTCTAATGGA
TCCTCTTCCAAAACCAAACTTGCTACGTAGTAAACAGCCACCAAGGGAAGTTTGGTTGGCTTAGTGG
ATTATCCAGATGATGAAGAGGAAGATGAAGAAGAAGAATCGTCCCCCAGGAAAAGACCTCGTCTTGGCTC
ATAA
    
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Restriction Sites: Sgfl-Mlul

ACCN: NM_001282850

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).

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:	<u>NM_001282850.1</u> , <u>NP_001269779.1</u>
RefSeq Size:	5521 bp
RefSeq ORF:	2454 bp
Locus ID:	57223
UniProt ID:	<u>Q5MIZ7</u>
Cytogenetics:	2p16.1
Gene Summary:	<p>Regulatory subunit of serine/threonine-protein phosphatase 4 (PP4). May regulate the activity of PPP4C at centrosomal microtubule organizing centers.[UniProtKB/Swiss-Prot Function]</p> <p>Transcript Variant: This variant (3) lacks an in-frame exon in the coding region, compared to variant 1. The resulting isoform (3) lacks an internal segment, compared to isoform 1.</p> <p>Sequence Note: This RefSeq record was created from transcript and genomic sequence data to make the sequence consistent with the reference genome assembly. The genomic coordinates used for the transcript record were based on transcript alignments.</p>