

Product datasheet for **SC307740**

PEAK3 (NM_198532) Human Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	PEAK3 (NM_198532) Human Untagged Clone
Tag:	Tag Free
Symbol:	PEAK3
Synonyms:	C19orf35
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)



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Fully Sequenced ORF: >SC307740 representing NM_198532.
 Blue=Insert sequence Red=Cloning site Green=Tag(s)

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GCTCGTTTAGTGAACCGTCAGAATTTTGAATACGACTCACTATAGGGCGGCCGGGAATTCGTCGACTG
GATCCGGTACCGAGGAGATCTGCCGCCCGCATCGC
ATGAGCAGCCCGAGCCCCACAGAGCCCCGAGCCGACAACCCACCTGGTCGACTCAGCCACG
TATAGCAACCTTGGTCAGATCCGTGCCACCTGCTGCCCTCCAAGGCCTGCCGCCTCCGGACCCCTGGG
TCCCTCTCCACCAACCCAGAGCCCTGCCCCACCCCTGCCCAAGAAGATCCTAACC CGGACCCAGTCA
CTGCCCCACCCGACGACCTCCATCCAGCTCCATCCAAGTACAGCCGCCTCGGAGACCCCTTTCTGGGG
TCCACAGTGTGGACAAGAGCCAGGCTGCAGTGGGACCAGCCTGTCTCCCTGCAGAGCTGACCTTTGGC
CCGGCTGACGCCCCACTGGGCCTCTCCCTCCGCGATCTGCACAGCCCGAGGCTGTGCACACTGCACTG
GCTGCGCGGCAGTGCAGGGCCTCCGTACCATCTATGCCCGGCTCCGTGCCCGGCTCATGGGGGCCAC
CCCGGGCCCTGCCACCCCGGCCACAGCTTCGCCTCCTAGACAGCTCACCTGCGCAGAGAGCGGGGAC
GCCCTGTATTACGCGTGGTGC GCGCGCACGAGGACGCCTGGCACATCCTGGTCGCCAAGGTGCCAAG
CCCGGGCGGACGTGCCACCCGTGGGCCTGGAGCTGCAGGCCTCCCTGTCTCCACACTTCAATCTG
CAGGGGCTGTGTGGCCTGGTGCCTGAAGGCACACTGCCCGGGGCGCCCTGGAGAGGCGCAGTGGCGCTG
GCAGCCGAGGTTCCAGAGCGCACGGTGGCGCAGTGGCTGGCGGAGGCCTGCACGCAGCCGCCGAGGAG
TTCGTGTGGGCTGTGGCCCTGCTGCTGCTGCAGCTGAGCGCGGCCCTGAAGTTCTGGAGGCGTGGGGC
GCGGCCCTAGTCGAGTTGCGGCCGAGAACTTGTGCTGGTGGCACCTCGGGGCTGTGCGACGACGGGG
CCCCACGCCTGCTCCTCACTGACTTTGGCCGCGTCTGTCTGCAGCCCCCTGGACCCCGGGATCCCCG
GGCCCCACGCGCCGAGCTGGGCAGCTCCTCCGAGCGCTGCTCAGCCTTGCTGCGCCCTCGACCACG
CCTTTGGCCGCGGCCTGGAGCTCCTGGCAGCACAGCTGACCCGCTTGGCGCCCTCGGCGTCCCGGACG
CGGGGCGCGCTGCAGGCGCTGCTTGGGGGCCCGGGCCTGAGCTGCGCGCGCCGCGGAGCACCGCTTGGT
CCTTGGCTCCGAGCGCTCGGGCCCTGGCTGCGGGTGC GCGCGGGCTGCTGGTCTGCGCCTAGCAGAG
CGGGCCGAGGTGGGAAGCTCCAGCCTCGAGGACTGGCTGTGTTGCAATACCTGGCCGAGGCCACC
GAGTCTCGATGGGCCAGGCCCTGGCGCTGCTGTGGGACTGA
ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGAT
TACAAGGATGACGACGATAAGGTTTAAACGGCCGCGC
  
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Restriction Sites: Sgfl-MluI

ACCN: NM_198532

Insert Size: 1422 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:	<u>NM_198532.2</u>
RefSeq Size:	2570 bp
RefSeq ORF:	1422 bp
Locus ID:	374872
UniProt ID:	<u>Q6ZS72</u>
Cytogenetics:	19p13.3
MW:	50.5 kDa
Gene Summary:	Probable catalytically inactive kinase (Probable). Interacts with CRK-II and antagonizes CRK-II-signaling. Prevents the formation of CRK-II-dependent membrane ruffling and lamellipodia-like extensions (PubMed:31311869).[UniProtKB/Swiss-Prot Function]