

## Product datasheet for **SC127842**

### FRK (NM\_002031) Human Untagged Clone

#### Product data:

Product Type:	Expression Plasmids
Product Name:	FRK (NM_002031) Human Untagged Clone
Tag:	Tag Free
Symbol:	FRK
Synonyms:	GTK; PTK5; RAK
Vector:	<u>pCMV6-XL4</u>
E. coli Selection:	Ampicillin (100 ug/mL)
Cell Selection:	None
Fully Sequenced ORF:	>NCBI ORF sequence for NM_002031, the custom clone sequence may differ by one or more nucleotides

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ATGAGCAACATCTGTCAGAGGCTCTGGGAGTACCTAGAACCCTATCTCCCCTGTTTGTCCACGGAGGCAG
ACAAGTCAACCGTGATTGAAAATCCAGGGGCCCTTTGCTCTCCCCAGTCACAGAGGCATGGCCACTACTT
TGTGGCTTTGTTTGATTACCAGGCTCGGACTGCTGAGGACTTGAGCTTCCGAGCAGGTGACAAAATTCAA
GTTCTGGACACTTTCATGAGGGCTGGTGGTTTCCAGACACTTGGAGAAAAGACGAGATGGCTCCAGTC
AGCAACTACAAGGCTATATTCCTTCTAACTACGTGGCTGAGGACAGAAGCCTACAGGCAGAGCCGTGGTT
CTTTGGAGCAATCGGAAGATCAGATGCAGAGAAAACAACTATTATATTCAGAAAACAAGACCGGTTCCCTT
CTAATCAGAGAAAAGTAAAGCCAAAAAGGAGAATTCTCTCTTTTCAGTTTTAGATGGAGCAGTTGTA AAAAC
ACTACAGAATTAAGACTGGATGAAGGGGGATTTTTTCTCACGCGAAGAAGAATCTTTTCAACTGAA
CGAATTTGTGAGCCACTACACCAAGACAAGTGACGGCCTGTGTCAAGCTGGGGAACCATGCTTAAAG
ATCCAGGTCCCAGCTCCATTTGATTTGTCGTATAAAACCGTGGACCAATGGGAGATAGACCGCAACTCCA
TACAGTCTCTGAAGCGATTGGGATCTGGTCAGTTTGGCGAAGTATGGGAAGTCTGTGGAACAATACCAC
TCCAGTAGCAGTAAAAACATTAACCAGGTTCAATGGATCCAAATGACTTCTGAGGGAGGCACAGATA
ATGAAGAACCTAAGACATCCAAAGCTTATCCAGCTTTATGCTGTTTGCACCTTTAGAAGATCCAATTTATA
TTATTACAGAGTTGATGAGACATGGAAGTCTGCAAGAATATCTCCAAAATGACACTGGATCAAAAATCCA
TCTGACTCAACAGGTAGACATGGCGGCACAGGTTGCCTCTGGAATGGCCTATCTGGAGTCTCGGAACTAC
ATTCACAGAGATCTGGCTGCCAGAAATGTCTCGTTGGTGAACATAATATCTACAAAGTAGCAGATTTTG
GACTTGCCAGAGTTTTTAAGGTAGATAATGAAGACATCTATGAATCTAGACACGAAATAAAGCTGCCGGT
GAAGTGGACTGCGCCGAAGCCATTTCGTAGTAATAAATTCAGCATTAAAGTCCGATGTATGGTCATTTGGA
ATCCTTCTTTATGAAATCATTACTTATGGCAAAATGCCTTACAGTGGTATGACAGGTGCCAGGTAATCC
AGATGTTGGCTCAAACTATAGACTTCCGCAACCATCCAAGTGTCCACAGCAATTTTACAACATCATGTT
GGAGTGTGGAATGCAGAGCCTAAGGAACGACCTACATTTGAGACTGCGTTGGAACCTGAAGACTAT
TTTGAACAGACTCTTCATATTCAGATGCAATAACTTCATAAGATGA
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<b>5' Read Nucleotide Sequence:</b>	>OriGene 5' read for NM_002031 unedited NGGTCAGTCAGTATTGTATACGACTCATATAGGCGGACCGCAATCAAATCTGGTACCGG TCCGGAATTCCTGGGATATCGTCGACCCACGCGTCCGCTTAAGCAGATAAGAAGAAAAGA CACCTTCTAGTGAGCAGCTGCCAGCTCCTGCTCAGTTTTGCCTCGGGGTAGCACCTCC AGCCACAGAAAGCAAGCCGGTAAGTCTCTCCAGGTAGGACTTGCTGCAACCCAGCTGCTG GACTGATCTGAAACGGGACTTTGCATACTCTCCGAAGTATGGTGAGTTGGTGCTGACTTC AAAGTTGCCTGGTGAAGGAAGATAAGGTGGATCGCAGAGACTAAGGGGAGAGGGAGAAGC CCGTCTCCTCTTCTCCCAAGGCACAATGAGCAACATCTGTGAGAGGCTCTGGGAGT ACCTAGAACCCTATCTCCCTGTTTGTCCACGGAGGCAGACAAGTCAACCGTGATTGAAA ATCCAGGGGCCCTTTGCTCTCCCAAGTCACAGAGGCATGGCCACTACTTTGTGGCTTTGT TTGATTACCAGGCTCGGACTGCTGAGGACTTGAGCTTCCGAGCAGGTGACAACTTCAAG TTCTGGACACTTTGCATGAGGGCTGGTGGTTTGCAGACACTTGGAGAAAAGACGAGATG GCTCCAGTCAGCAACTACAAGGCTATATCCTTCTAACTACGTGGCTGAGGACAGAAGCC TACAGGCAGAGCCGTGGTTCTTTNGGAGCATCGGAAGATCAGATGCAGAGAAAACACTAT TATATTCAGAAACAAGACCGGTTCTTTCTATCAGAGAAAGTAAAAGCCAAAAGGAG ATTCTCTCTTTCAGTTTTAGATGGAGCAGTTTGTAAACCTACAGATTNAAA
<b>Restriction Sites:</b>	Please inquire
<b>ACCN:</b>	NM_002031
<b>OTI Disclaimer:</b>	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).
<b>Components:</b>	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).
<b>Reconstitution Method:</b>	<ol style="list-style-type: none"> <li>1. Centrifuge at 5,000xg for 5min.</li> <li>2. Carefully open the tube and add 100ul of sterile water to dissolve the DNA.</li> <li>3. Close the tube and incubate for 10 minutes at room temperature.</li> <li>4. Briefly vortex the tube and then do a quick spin (less than 5000xg) to concentrate the liquid at the bottom.</li> <li>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.</li> </ol>
<b>RefSeq:</b>	<a href="#">NM_002031.2</a> , <a href="#">NP_002022.1</a>
<b>RefSeq Size:</b>	2864 bp
<b>RefSeq ORF:</b>	1518 bp
<b>Locus ID:</b>	2444
<b>UniProt ID:</b>	<a href="#">P42685</a>
<b>Cytogenetics:</b>	6q22.1
<b>Domains:</b>	pkinase, SH2, TyrKc, SH3, S_TKc
<b>Protein Families:</b>	Druggable Genome, Protein Kinase

**Gene Summary:**

The protein encoded by this gene belongs to the TYR family of protein kinases. This tyrosine kinase is a nuclear protein and may function during G1 and S phase of the cell cycle and suppress growth. [provided by RefSeq, Jul 2008]