

Product datasheet for **SC332726**

FASTK (NM_001258461) Human Untagged Clone

Product data:

Product Type: Expression Plasmids
Product Name: FASTK (NM_001258461) Human Untagged Clone
Tag: Tag Free
Symbol: FASTK
Synonyms: FAST
Vector: pCMV6-Entry (PS100001)
Fully Sequenced ORF: >SC332726 representing NM_001258461.
 Blue=Insert sequence Red=Cloning site Green=Tag(s)

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ATGAGGAGGCCGCGGGGGAACCCGGCCCCGGGCCCGAGACCGACTGAGGGAGCGACCTGCGCAGGG
CCCGGGGAGTCATGGTCTCCATCACCCAACCTCCATGCTTCGAGTCTGCTCTGCTCAGACCTCCCCT
GCTCGGCTGTCTGGCCTGCTGCTGATCCCTCCAGTACAGCCCTGCTGTTGGGGCCAGCAAATGGGGG
GACCGGCTGTTGGAGGAGGCCAGTGCAGGCTCTGTCAAGGACTGCAGCGGCTTCTGGAACAGGCG
AAGAGCCCTGGGAGCTGCTGCGCTGGTGGGCCAGAACCCAGCAAGGTGCGCGCCACCCTACTCG
GTGGCGCTTCGTGCTGCTGGCCAGTCTTGGGGTCTCGGCCACGGCCCCCTCTGTGAGCAGGTACA
CTGCAGGACTTGAGTCAGCTCATCATCCGAAACTGCCCTCCTTTGACATTACACCCATCCACGTGTGT
CTGCACCTTGAGTCTTACTTGGCTTTCCATCTGATGGTCCCCTGGTGTGTGCCCTGGAACAGGAGCGA
AGGCTCCGCCTCCCTCCGAAGCCACCTCCCCTTTGCAGCCCCTTCTCCGAGAGGCAAGGCCAGAGGAA
CTGACTCCCCACGTGATGGTGTCTCTGGCCAGCACCTGGCCCGGACCGGTTGCGGGAGCCCCAGCTT
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CATGCTCTGATTGTGCTCGCTACCTCTCCCTGCTGGACACGGCCGTGGAGCTGGAGCTCCAGGATAC
CGGGGTCCCCGCCTTCCCGAAGGCAGCAAGTGCCCATCTTTCCCAGCCTCTCATCACCCAGCGTGCC
CGCTGCAAGTACAGTACAAGGACATAGTAGTGAGGGGTTGCGCCAGCTGCTGGGGAGGAGAAATAC
CGCCAGGACCTGACTGTGCCTCCAGGCTACTGCACAGACTTCTGCTGTGCGCCAGCAGCTCTGGTGT
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GCCTTAGCGCCACTACTCGAGACCTGCCAGAGGGTGGTGTGGTGTGCGGGAACGCTGGCATTTC
TGCCGGGACGGCCGGGTGCTGCTGGGCTCGAGGGCCCTGAGGGAGCGGCACCTAGGCCTGATGGGCTAC
CAGCTCCTGCCGCTACCCTTCGAGGAAGTGGAGTCCCAGAGAGGCTGCCCCAGCTCAAGAGCTACCTG
AGGCAGAAGCTCCAGGCCCTGGGCTGCGCTGGGGCCCTGAAGGGGGCTGA
  
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Restriction Sites: SgfI-MluI
ACCN: NM_001258461
Insert Size: 1569 bp



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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_001258461.1</u>
RefSeq Size:	1790 bp
RefSeq ORF:	1569 bp
Locus ID:	10922
UniProt ID:	<u>Q14296</u>
Cytogenetics:	7q36.1
Protein Families:	Druggable Genome, Protein Kinase
MW:	58.2 kDa
Gene Summary:	<p>The protein encoded by this gene is a member of the serine/threonine protein kinase family. This kinase was shown to be activated rapidly during Fas-mediated apoptosis in Jurkat cells. In response to Fas receptor ligation, it phosphorylates TIA1, an apoptosis-promoting nuclear RNA-binding protein. The encoded protein is a strong inducer of lymphocyte apoptosis. Two transcript variants encoding different isoforms have been found for this gene. Other variants exist, but their full-length natures have not yet been determined. [provided by RefSeq, Jul 2008]</p> <p>Transcript Variant: This variant (5) uses an alternate in-frame splice site in the 5' coding region compared to variant 1. The resulting protein (isoform 5) is shorter compared to isoform 1.</p>