

## Product datasheet for **SC115926**

### **FASTK (NM\_006712) Human Untagged Clone**

#### **Product data:**

Product Type:	Expression Plasmids
Product Name:	FASTK (NM_006712) Human Untagged Clone
Tag:	Tag Free
Symbol:	FASTK
Synonyms:	FAST
Mammalian Cell Selection:	None
Vector:	<u><a href="#">pCMV6-XL4</a></u>
E. coli Selection:	Ampicillin (100 ug/mL)



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**Fully Sequenced ORF:** >OriGene ORF sequence for NM\_006712 edited  
 ATGAGGAGGCCGCGGGGGAACCCGGCCCCGGCCCCGAGACCGACTGAGGGAGCGACC  
 TGGCAGGGCCCCGGGAGTCATGGTCTCCATCACCCAACCTCCATGCTTCGAGTCTGCTC  
 TCTGCTCAGACCTCCCCTGCTCGGCTGTCTGGCCTGTCTGATCCCTCCAGTACAGCCC  
 TGCTGTTTGGGGCCAGCAAATGGGGGACCGCCTGTTGGAGGAGGCCCCAGTGCAGGT  
 CCTGTGCAAGGACTGCAGCGCTTCTGGAACAGGCGAAGAGCCCTGGGGAGCTGTGCCG  
 TGGTGGGCCAGAACCCAGCAAGGTGCGGCCACCCTACTCGGTGGCGCTTCGTCGT  
 CTGGGCCAGCTTTGGGTCTCGGCCACGGCCCCCTCCTGTGGAGCAGGTCACACTGCAG  
 GACTTGAGTCAGCTCATCATCCGAAACTGCCCTCCTTTGACATTACACCATCCACGTG  
 TGTCTGCACCTTGCAGTCTTACTTGGCTTTCATCTGATGGTCCCCTGGTGTGTGCCCTG  
 GAACAGGAGCGAAGGCTCCGCTCCCTCCGAAGCCACCTCCCCCTTTCAGCCCCCTTCTC  
 CGAGGTGGGCAAGGTTGGAAGCTGCTCTAAGCTGCCCCGTTTTCTGCGGTATCCACGG  
 CAGCATCTGATCAGCAGCTGGCAGAGGCAAGGCCAGAGAACTGACTCCCCACGTGATG  
 GTGCTCCTGGCCAGCACCTGGCCCGCACCGGTTGCGGGAGCCCCAGCTTCTGGAAGCC  
 ATTGCCACTTCTGGTGGTTCAGGAAACGCAACTCAGCAGCAAGGTGGTACAGAAGTTG  
 GTCTGCCCTTTGGGCGACTGAACTACCTGCCCTGGAACAGCAGTTTATGCCCTGCCTT  
 GAGAGGATCCTGGCTCGGGAAGCAGGGGTGGCACCCCTGGCTACAGTCAACATCTTGATG  
 TCACTGTGCCAACTGCGGTGCCTGCCCTTCCAGGCCCTGCACTTTGTTTTTCCCCTGGC  
 TTCATCAACTACATCAGTGGCACCCCTCATGCTCTGATTGTGCGTCGCTACCTCTCCCTG  
 CTGGACACGGCCGTGGAGCTGGAGCTCCAGGATACCGGGTCCCCGCTTCCCCGAAGG  
 CAGCAAGTGCCCATCTTTCCCAGCCTCTCATACCGACCGTCCCGCTGCAAGTACAGT  
 CACAAGGACATAGTAGCTGAGGGTTGCGCCAGCTGCTGGGGAGGAGAAATACCGCCAG  
 GACTGACTGTGCCTCCAGGCTACTGCACAGACTTCTGCTGTGCCAGCAGCTTGGT  
 GCTGTGCTTCCCGTGGAGACCCAGGACCCTTCTGCCATACCCACCAAGGTCTGCCCA  
 CAGGGCCAGGCTGCCTCTAGCGCCACTACTCGAGACCCTGCCAGAGGGTGGTGTGGTG  
 TTGCGGGAACGCTGGCATTCTGCCGGATGGCCGGTGTGCTGGGCTCGAGGGCCCTG  
 AGGGAGCGGCACCTAGGCTGATGGGCTACCAGCTCCTGCCGCTACCTTCGAGGAACTG  
 GAGTCCCAGAGAGGCTGCCCCAGCTCAAGAGCTACCTGAGGCAGAACTCCAGGCCCTG  
 GGCCTGCGCTGGGGCCCTGAAGGGGGCTGA

**5' Read Nucleotide Sequence:** >OriGene 5' read for NM\_006712 unedited  
 ATTTATGTATACGAACTCACTATAGGGCGCCGCGAATTCGCACGAGGTGGCGTCCGGGC  
 GGCTATCTAGGGGCTGTGGGAAGAGGCGGACTCGGTGGCTAGCCGATGAGGAGGCCGCG  
 GGGGGAACCCGGCCCCGGGCCCGAGACCGACTGAGGGAGCGACCTGCGCAGGGCCCCG  
 GGAGTCATGGTCTCCATCACCCAACCTCCATGCTTCGAGTCTGCTCTGCTCAGACCTC  
 CCCTGCTCGGCTGTCTGGCCTGTGCTGATCCCTCCAGTACAGCCCTGCTGTTTGGGGCC  
 CAGCAAATGGGGGACCGCCTGTTGGAGGAGGCCCCAGTGCAGGTCCTGTGCAAGGACT  
 GCAGCGGCTTCTGGAACAGGCGAAGAGCCCTGGGGAGCTGCTGCGCTGGCTGGGCCAGAA  
 CCCAGCAAGGTGCGCGCCACCCTACTCGGTGGCGCTTCGTCGCTGGGCCAGCTCTT  
 GGGGTCTCGGCCACGGCCCCCTCCTGTGGAGCAGGTCACACTGCAGGACTTGAGTCAGCT  
 CATCATCCGAAACTGCCCTCCTTTGACATTACACCATCCACGTGTGTCTGCACCTTGC  
 AGTCTTACTTGGCTTTCATCTGATGGTCCCCTGGTGTGTGCCCTGGAACAGGAGCGAAG  
 GCTCCGCCTCCCTCCGAAGCCACCTCCCCCTTTCAGCCCCCTTCCGAGGTGGGCAAGG  
 GTTGAAGCTGCTCTAAGCTGCCCCGTTNTCTGCGGTATCCACGGCAGCATCTGATCAG  
 CAGCCTGGCAGAGGCAAGGCCAGAGGAACTGACTCNCCACGTGATGGTGTCTCTGCCCA  
 GCACCTGGCCCGCACCGNTGCGGGAGCCCCAGCTTCTGGAAGCCATTGCCACTTNNNC  
 TGTGGTCANGNAACGCACTCAGCAGCAGTGGTACAGAAGNTGGTCTGCCTTTGGCGACTG  
 ACTACTGCCCTGNACACAGTTATGCCTGCTTGN

<b>3' Read Nucleotide Sequence:</b>	>OriGene 3' read for NM_006712 unedited TGTTGGAGGGACTTTATGANAATACAAACCGGGNACCAAGTGCAAATCATCCACCCCCCT GGGGGGGCAATCCTGACCCACACATCCCCTCAGCCCCCTTCAGGCCCCAGCGCAGGC CCAGGGCCTGGAGCTTCTGCCTCAGGTAGCTCTTGAGCTGGGGCAGGCCTCTCTGGGACT CCAGTTCTCGAAGGGTAGCGGCAGGAGCTGGTAGCCATCAGGCCTAGGTGCCGCTCCC TTCAGGCCCTCGAGCCCAGCAGCACCCGGCCATCCCGGCAGAAATGCCAGCGTCCCGCA ACACCAGCACCCCTCTGGGCAGGGTCTCGAGTAGTGGCGCTAGAGGCAGCCTGGCCCT GTGGGCAGGACCTTGGTGGGTATGGCAGGAAGGGTCTGGGTCTCACGGGAAGCACA GCACCAGAGCTGCTGGGCACAACAGGAAGTCTGTGAGTAGCCTGGAGGCACAGTCAGG TCCTGGCGGTATTTCTCCTCCCCAGCAGCTGGCGCAACCCCTCAGCTACTATGCTTGT TGACTGTACTTGACGCGGCACGGTCGGTGATGAGAGGCTGGGAAAGATGGCACTTGC TGCCTTCGGGGAAGGCGNGACCCCGGTATCCTGNGAGCTCCAGCTCCACNGCCGTGTC CAGCAGGGAGAGGTAGCGACGCACAATCAGAGCATGAAGNNGTCCACTGATGTAGTTGA TGAAGCNCAGGAAAAAACAAGTGCANGGCTCTGAAGGGCANGCACCNGCAGTTGGCAC AGTGACATCAAGAATGNTGACTGTAGCCAAGGGTGCCACCCCTGCTTCCGAGCCAGNA ATCTCTCAAGGCAGGNCAANAACCTGCTGTNCAGGGCANNGTAGNTCAGTCGCCAAAGGN CANNGACAAACTNCTGTACANCTTTGCTGCTGAANTGCGTTTCT
<b>Restriction Sites:</b>	NotI-NotI
<b>ACCN:</b>	NM_006712
<b>Insert Size:</b>	1730 bp
<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_006712.3</a> , <a href="#">NP_006703.1</a>
<b>RefSeq Size:</b>	1866 bp
<b>RefSeq ORF:</b>	1650 bp
<b>Locus ID:</b>	10922
<b>UniProt ID:</b>	<a href="#">Q14296</a>
<b>Cytogenetics:</b>	7q36.1
<b>Protein Families:</b>	Druggable Genome, Protein Kinase

**Gene Summary:**

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]

Transcript Variant: This variant (1) represents the longest transcript and encodes the longest isoform (1).