

## Product datasheet for **SC101836**

### FASTK (NM\_033015) Human Untagged Clone

#### Product data:

Product Type:	Expression Plasmids
Product Name:	FASTK (NM_033015) Human Untagged Clone
Tag:	Tag Free
Symbol:	FASTK
Synonyms:	FAST
Mammalian Cell Selection:	None
Vector:	<u>pCMV6-XL4</u>
E. coli Selection:	Ampicillin (100 ug/mL)
Fully Sequenced ORF:	>NCBI ORF sequence for NM_033015, the custom clone sequence may differ by one or more nucleotides

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ATGAGGAGGCCGCGGGGGAACCCGGCCCCGGGCCCGAGACCGACTGAGGGAGCGACCTGCGCAGGGC
CCGGGGAGTCATGCTTTCCATCTGATGGTCCCCTGGTGTGTGCCCTGGAACAGGAGCGAAGGCTCCGCC
CCCTCCGAAGCCACCTCCCCCTTGCAGCCCCTTCTCCGAGGTGGGCAAGGGTTGGAAGCTGCTCTAAGC
TGCCCCCGTTTTCTGCGGTATCCACGGCAGCATCTGATCAGCAGCCTGGCAGAGGCAAGGCCAGAGGAAC
TGACTCCCACGTGATGGTGCTCCTGGCCAGCACCTGGCCCGGCACCGTTGCGGGAGCCCCAGCTTCT
GGAAGCCATTGCCACTTCCTGGTGGTTCAGGAAACGCAACTCAGCAGCAAGGTGGTACAGAAGTTGGTC
CTGCCCTTTGGGCGACTGAACACTGCCCCTGGAACAGCAGTTTATGCCCTGCCTTGAGAGGATCCTGG
CTCGGGAAGCAGGGGTGGCACCCCTGGCTACAGTCAACATCTTGATGTCAGTGTGCCAAGTCCGGTGCCT
GCCCTTACAGACCCTGCACTTTGTTTTTCCCCTGGCTTCATCAACTACATCAGTGGCACCCCTCATGCT
CTGATTGTGCGTCGCTACCTCTCCCTGCTGGACACGGCCGTGGAGCTGGAGCTCCAGGATACCGGGGTC
CCCGCCTTCCCCGAAGGCAGCAAGTGCCCATCTTTCCCCAGCCTCTCATCACCGACCGTGGCCGCTGCAA
GTACAGTACAAGGACATAGTAGCTGAGGGGTTGCGCCAGCTGCTGGGGGAGGAGAAATACCGCCAGGAC
CTGACTGTGCCTCCAGGCTACTGCACAGACTTCCTGCTGTGCGCCAGCAGCTCTGGTGTGTGCTTCCC
TGAGGACCCAGGACCCCTTCTGCCATACCCACCAAGGTCCTGCCACAGGGCCAGGCTGCCTCTAGCC
CACTACTCGAGACCCTGCCAGAGGGTGGTGTGGTGTGCGGGAACGCTGGCATTCTGCCGGGACGGC
CGGGTGTGCTGGGCTCGAGGGCCCTGAGGGAGCGGCACCTAGGCCTGATGGGCTACCAGCTCCTGCCGC
TACCCCTCGAGGAACTGGAGTCCAGAGAGGCCTGCCAGCTCAAGAGCTACCTGAGGCAGAAGCTCCA
GGCCCTGGGCTGCGCTGGGGCCCTGAAGGGGGCTGA
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<b>5' Read Nucleotide Sequence:</b>	<p>&gt;OriGene 5' read for NM_033015 unedited</p> <pre>TCCGGAATTTTGTAAACGACTCACTATAGGGCGGCNCGCGAATTCGCACGAGGGGAAG ATGGCGGACTCGGTGGCTAGCCGATGAGGAGGCCGCGGGGGAACCCGGCCCCGGGCC CGAGACCGACTGAGGGAGCGACCTGCGCAGGGCCCGGGGAGTCATGGTCTCCATACCCA ACTCCATGCTTCGAGTCTGCTCTGCTCAGACCTCCCCTGCTCGGCTGCTGGCCTGC TGCTGATCCCTCCAGTACAGCCCTGCTGTTTGGGGCCAGCAAATGGGGGACCGGCCTG TTGGAGGAGGCCCCAGTGCAGGTCCTGTGCAAGGACTGCAGCGGCTTCTGGAACAGGCGA AGAGCCCTGGGGAGCTGCTGCGCTGGCTGGGCCAGAACCCAGCAAGGTGCGCGCCACC ACTACTCGGTGGCGCTTCGTCTGCTGGGCCAGCTTGGGGTCTCGGCCACGGCCCCCTC CTGTGGAGCAGGTCACACTGCAGGACTTGAGTCAGCTCATCATCCGAAACTGCCCTCT TTGACATTCACACCATCCACGTGTGCTGCACCTTGACGTCTTACTTGGCTTTCCATCTG ATGGTCCCCTGGTGTGTGCCCTGGAACAGGAGCGAAGGCTCCGCCTCCCTNCGAAGCCAC CTNCCCCTTTGGACCCCTTCTCCGAGGTGGGCAAGGGTTGAAAGCTGCTCTAAGTGC CCCCGTTTTCTGCNGGTATCACCGCAGCATCTGATCAGCAACCTGGCAAAGGCAAGGCCA GAGAACTGACTCCCCACGTGATGTTGCTCTGGGCCACCACTTGGCCCGGACGGTTGGGG GACCCCACTTTTGAAGCCTTGGCACTTCTGGGGTTAGGAAAACCAATCACCCAGGT GGTCACAAATTTGGCCCCCCTTGG</pre>
<b>Restriction Sites:</b>	Please inquire
<b>ACCN:</b>	NM_033015
<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_033015.2</a> , <a href="#">NP_148936.2</a>
<b>RefSeq Size:</b>	1443 bp
<b>RefSeq ORF:</b>	1227 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 (4) lacks an alternate in-frame exon compared to variant 1. The resulting isoform (4) has the same N- and C-termini but is shorter compared to isoform 1.