

Product datasheet for **SC123491**

FASTKD1 (BC032687) Human Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	FASTKD1 (BC032687) Human Untagged Clone
Tag:	Tag Free
Symbol:	FASTKD1
Synonyms:	FAST kinase domains 1; FLJ21901; KIAA1800
Vector:	<u>pCMV6-XL5</u>
E. coli Selection:	Ampicillin (100 ug/mL)
Cell Selection:	None



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Fully Sequenced ORF:

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>OriGene sequence for BC032687 edited
AGAGACCATCCTCAATTTCTTACTCTTCATAATTTAGCTACAAATAAATTCAAATTAATG
AATGACGATACCCCTGGTGAATGTGTTATACGTCACACAACAGTTTGCTGGTGAGGCCCAT
GACCCGCTAGTTGAAGCACTAGTTACAGAAGCATGGAGAAGGCTAGAAAAGGTTTGATATT
AAACTGCTCTCAGAATTTTCTCTTGCCTAGCAGATCAGCATTTGTATTTTAGTCCATTA
ATGGGAAAAATAGCTGATATTGTTTCATAGGAACTTGGAAACCACACAGGACTTAAGTTC
TTGTCTGTCTTGATGGTCAACATATCTTCTTTAATATCACGACATTTTCAACAACAACCTG
GTGAACAAAAACAGAACTTCTTTTGGACACCATAGATTCTTCTGAGGTCAACGTTGCAAAA
AGCATAGCAAAGTTTCTCGAAATGTTAGATATCGTTATCAACCACTATTAGAAAGATGT
AATAACGTATTTTTAAGTAATGTGGACCACCTTGATTTGGATTCCATCAGTAAAAACTT
AGTGTATACAAATTTCTACAATTTAATAGTTTTGAATTTATTATAATGGCTAAAAAGAAG
CTAACTGAAATGATTCTCTGTGTAATCATCCTGCTAGCTTTGTAATTTGTTTGTAGCA
TTGGGACCCATTGCAGGACCTGAAGAAAAGAAACAACCTTAAATCAACTATGTTATTGATG
TCAGAGGACCTAACTGGCGAGCAAGCCCTGGCAGTGTGGGAGCAATGGGAGATATGGAA
AGCAGAAACTCATGTCTGATTAAGAGTTACTTCAGTTCTGCATAAACATTTGGATGGC
TATAAACCATTAGAGTTGTTGAAGATAACTCAAGAATTAACTTTTCTGCATTTCCAAAGG
AAGGAGTTTTTTCGCAAACTTAGAGAATTACTGCTTAGTTATTTGAAAAATAGTTTCATA
CCAACCTGAGGTGTCTGTTCTGGTCCGTGCTATTTCCCTGCTCCCTTCTCCTCACTTGGAC
GAAGTGGGGATATCCCGAATTGAAGCCGTTTTACCACAGTGTGACCTAAATAACCTGAGT
AGTTTTGCCACATCTGTTTTAAGATGGATTGAGCATGATCACATGATTTGGATAATATG
ACTGCGAAACAACCTGAACTACTTCAAAAATTAGATCACTATGGTCGTGAGAGACTACAA
CACAGCAACAGTTTGGATCTGTTACGGAAGGAACCTTAAATCTCTCAAAGGAAACAGTTT
CCTGAGTCACTTCTTGAAGAAATGATTGCTACTTTACAGCATTTTATGGATGATATTAAT
TACATAAATGTTGGGGAGATTGCATCTTTTATTCTAGTACTGATTACCTCAGTACTTTG
CTACTAGATAGGATAGCCTCGGTGGCTGTTACGAGATTGAAAAGATCCATCCTTTTACA
ATCCCTGCTATTTATCGTCCATTGAGCGTATTGAACTATGATCCACCTCAAAGGGATGAA
TTTTTGGGAACTTGCCTGCAACATCTTAATTTCTACTTAGGTATATTGGATCCTTTTATA
TTAGTGTCTTGGTTTCTTTTGGCCACACTTGAATTTTTCCAGAAGATCTGCTAAAG
GCAATTTTTAACATCAAATTTCTAGCTAGATTGGATTCTCAACTTGAATTTTTATCTCCA
TCTCGAAGTGCAAGAGTCCAGTTTCATCTTATGGAGTTAAATAGATCAGTCTGCTGGAA
TGCCCTGAGTTTTCAGATCCATGGTTTCATGACCGCTTCTGTCAACAATAATAAAGGT
ATTGGTGGCATGGATGGAACACAACAGCAGATTTTTAAAATGTTAGCAGAGGTAAGGTA
GGAATCAATTGTGTAAGCCTCGGTTCTTACGCCTTATTACCACAAAGTAGATTTTGG
TGTATCTTGGATAAAAGAAAAAACCTTCTCCGTATGGAAGCCATAATATAGCATTGGGA
CAACTACCAGAAATGCCCTGGGAATCAAATATCGAAATAGTTGGATCAAGGCTGCCACCA
GGGGCTGAAAGGATTGCTTTGGAATTTTTGGATTCAAAGCACTTTGTAGAAATATCCCT
CACATGAAAGGAAAACTGCTATGAAAAACGACATTTGGAAATCTGGGGTATCGTGTA
ATTGAGATTTCCAGTTTGAATGGAACCTATGGCACTGTCAACAAGGATGCTCGGATG
GACTACCTGAGAGAATGATATTTGGAGAAGTCAAGTCATGTTTGTAGTTTTTATTTAAA
ATGAATGTTATCGTGTGTTACATTTGGATCTATTTAATAAAGTGGCCTGTCTCAATTA
AAAAAAAAAAAAAAAAAAAAAAAAA
    
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5' Read Nucleotide Sequence:	>OriGene 5' read for BC032687 unedited GGGCTGTTTGGATTTTGTAAACGACTCATATAGGGCGGCCGGAATCCCGGATATCGT CGACCACGCGTCCGCCACGCGTCCGCAGAGACCATCCTCAATTTCTTACTCTTCATAAT TTAGCTACAAATAAATTCAAATTAATGAATGACGATACCCTGGTGAATGTGTTATACGTC ACACAACAGTTTGTGCTGGTGAGGCCCATGACCCGCTAGTTGAAGCACTAGTTACAGAAGCA TGGAGAAGGCTAGAAAAGTTTGTATTTAACTGCTCTCAGAATTTCTCTTGCCTAGCA GAATCAGCATTGTATTTTAGTCCATTAATGGGAAAAATAGCTGATATTGTTTCATAGGAA CTTGAAAACCACACAGGACTTAAGTTCCTTGTCTGTCTTGATGGTCAACATATCTTCTT TAATATCACGACATTTTCAACAACAACCTGGTGAACAAAACAGAATTCTTTTTGACACCA TAGATTCTTCTGAGGTCAACGTTGCAAAAAGCATAGCAAAGTTTCTCGAAATGTTAGAT ATCGTTATCAACCACTATTAGAAAGATGTAATAACGTATTTTTAAGTAATGTGGACCACC TTGATTTGGATTCCATCAGTAAAATACTTAGTGTATACAAATTTCTACAATTTAATAGTT TTGAATTTATTATAATGGCTAAAAGAAGCTAACTGAAATGATTCCTCTGTGTAATCATC CTGCTAGCTTTGTAATTTGTTTGTAGCATTGGGACCCATTGCAGGACCTGAAGAAAGAA ACAACANATCAACTATGTTATTGATGTCAGAGGACCTAACTGGCGAGCAAGCCCTGNCA GTGTTGGGAGCCATGGGAGATATGGAAAGCAGNAACTCATGTCTGATTAAGAGTACTT CAGTTCTG
Restriction Sites:	Please inquire
ACCN:	BC032687
Insert Size:	2388 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).
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>BC032687.2</u> , <u>AAH32687.1</u>
RefSeq Size:	2364 bp
Locus ID:	79675
Cytogenetics:	2q31.1
Gene Summary:	Involved in the down-regulation of mitochondrial MT-ND3 mRNA levels which leads to decreased respiratory complex I abundance and activity.[UniProtKB/Swiss-Prot Function]