

Product datasheet for **SC112873**

FASTKD5 (NM_021826) Human Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	FASTKD5 (NM_021826) Human Untagged Clone
Tag:	Tag Free
Symbol:	FASTKD5
Synonyms:	dj1187M17.5
Mammalian Cell Selection:	None
Vector:	<u>pCMV6-XL5</u>
E. coli Selection:	Ampicillin (100 ug/mL)



[View online »](#)

Fully Sequenced ORF:

>OriGene sequence for NM_021826 edited
 CGTGTACGGTGGGAGGTCTATATAAGCAGAGCTCGTTTAGTGAACCGTCAGAATTTTGT
 ATACGACTCACTATAGGGCGGCCGCAATTCGGCACGAGGGGAACACCTCCCGTCCAGC
 TCTAATCAAGCACCATATAAACAAGAAATTGCCTGGTCAAATCTGTGAGGACTGTATTCT
 GACTGCCAAAGAGATCAATACTGACACCAGAATGGCAGCTACTCTCAAGTCATTAACCT
 TGTAAGATACCGAGCATTTTGCAGTCCTTCTGCCTTTGGTGCAGTCCGAAGTGTGTCATA
 CTGGAATGTGAGCAGCACACAGCATGGGGGACAGGACCCTCCAGAACACATTAGCCTCTG
 CCATTCTGCCAAAAAAGTTAAGAACATATGTAGCACCTTCTCTTCTCGGAGAATCCTGAC
 AACCCAGCAGTGCCACCCAGGTTTGGAATTGAGCAAGACTTCTTCTCTAAGGCCAGTAC
 ATTGCAGCTGGGCTCACCAGGGCCACAGGAGTTGATGAAGAGGACGTAGAAGTGTGTTGA
 TTCCTTTGAAAACATGCGAGTTTTCTACAGCTAAGACCAGAATACCGTGTTCACAGCTA
 TAATGCATCTGAGACTTCTCAGCTCCTGTCTGTTTCAGAAGGTGAACATAATTTGCACAA
 AGTCAGAGTTAATCAAAATAATCTCCAGGCTCAAGTCATTGTTGATTATTTGTGTAAGCT
 GAGCTCTTTGCCTGCAGAGCAGCATCCTGTCTTGTGGCAGTACCAGCTTTGCTCTGCT
 CTGCCAGCTGAGTGTGAAGAAGATACAGCTCTTGATACCAAGATCTGATCAATGTTTT
 GAAAGCTTTTGTCAATTTAGGAATCCCTCACTCCATTCAATGCTAGATGTGTATGAGAC
 CAAGTGTGTCATCAGGTATGGGAGATGAATATGGATCAGCTCCTTTTGGTGGCTGATCT
 CTGGAGGTAAGGCGCAAGTACCTAGGTTTTTAAACATTTTTCTAGTTATCTTAA
 TTTGCACTGGAAGGATCTATCCTTGTCTCAGCTAGTTCATTAATTTATGTTATAGGTGA
 AAATCGTCAGGTATCCCAGGACCTAATGCAAAATTTGGAATCATTGATCCTTAAATATAT
 AGATTTGATCAATTTGGAGGAGTTGGTACCATCTGTTTGGGGTCTTTAAATCAAGTAC
 TAATCTCTCTGAATTTGTATGCGGAAAATTTGGAGACTTGGCTTGTGCTAACATTACGCA
 TCTGAGTAGTCGCTCCTTAGTGAATATTGTTAAATGTTCCGTTTCACTACGCTGGATCA
 CATCAATTTTATGAAGCAGATTGGAGAGATAGCTCCTCAGCGAATTCCTTCCCTGGGAGT
 TCAAGGTGTATGCACCTGACTCTTTACTGCTCGGCCTTACGCTTCTGAATGAAGGAGT
 AATGAATGCAGTGGCTGCGTCTTTGCCTCCTAGAGTGGCACACTGTGAAGTAAAGATGT
 TGCCAAGATTCTGTGGTCATTTGGAACCTGAATTATAAGCCACCCAATGCAGAAGAATT
 TTAATCCAGCCTGATAAGTGAGATTACAGAAAGATGCCTGAATCAACCAGTACCCAGA
 ACACCTGCCACCTGCCTGCTGGGCCTGGCATTTTTGGAGTACTTCCAGTAGAGTTAAT
 TGATTTGCTCTCAGTCCAGGTTTGTGAGTTAGCTCAGGAGAGAACTAAGTTTGACCT
 CCTTAAGGAATATATACCTCGATGGTACAGTTGGCATTGAGTGTCCAGATTACAGAGG
 CAATCGTCTTAGTACTACCTTCAGCAAGAGGGGTCTGAATTGCTGTGGTATTTAGCAGA
 GAAGGATATGAATTCAAAGCCTGAATTTCTAGAACTGTCTTTTACTGGAGACCATGCT
 GGGGGGGCCCCAGTACGTCAAGCACCATATGATTTTGCCTCATACCCGATCTTCTGACTT
 AGAGGTCCAGCTTGATGTTAACCTGAAGCCATTACCATTTAATAGAGAAGCCACGCCGGC
 TGAAAAATGTAGCCAAATTAAGGCTTGAGCATGTGGGAGTCAGCCTTACAGATGATTTGAT
 GAATAAGTTACTAAAAGGGAAGCAAGAGGACATTTCCAGGGCAAACTGAGTCAGAGCC
 TGGGCAGCAGCCCATGGAGTTGGAGAATAAGGCAGCTGTACCTCTGGGGGGCTTCTTTG
 CAATGTAGCAGATAAATCAGGGGCCATGGAGATGGCTGGCCTGTGCCCGCAGCCTGCAT
 GCAGACCCCAAGAAATGAAGCTGGCTGTTCAAGTTCACAAACAGGAACCAAGTATTGCTATGG
 CTCCAGGGATCTCCTTGGACTGCACAATATGAAGAGGCGGCAGCTGGCTCGGCTTGGCTA
 CCGTGTGGTAGAGTTATCCTACTGGGAATGGCTCCCACTACTGAAACGAACTCGCTTAGA
 AAAGTTGGCGTTTCTTCATGAGAAAGTATTCACCTCTGCTCTCTGAAGGGCATTAGGGG
 CATTTCTATGGCAAAGCTATAGGTGTACTGTACCAGGTGTTGCAAAATGATTATAAAA
 GCCAGAATGTAAGTTTGGCGATAAAATAGTGTGTTGAGGAGACTTAATTGTATCCAAGGC
 AGGTTAGAGCTAGTGTATGTTACTGTGAATTGTAATGTAGTTGGATTGTACAAATTAAGT
 CAAATGTATACATGTTACTCTTAGTAAATAATAAATCTTAATATGCTCCTACGGTCAAA
 AAAAAAAAAAAAAAAGTCTAGATTGCGGCCGCGGTATAGCTGTTTCTGAAACAG
 ATCCCGGTGGCATCCCTGTGACCCCTCCCAAGTGCC

5' Read Nucleotide Sequence:

>OriGene 5' read for NM_021826 unedited
 GGTTCGAATTTTGTAAATCCGACTCACTATAGGCGGACGCCAATTCGCACGAGGGAACACC
 TCCCCGTCCAGCTCTAATCAAGCACCTATAACAAGAAATTGCCTGGTCAAATCTGTGA
 GGACTGTATTCTGACTGCCAAAGAGATCAATACTGACACCAGAATGGCAGCTACTCTCAA
 GTCATTAATACTGTGAAGATACCGAGCATTGTTAGTCCTTCTGCCTTTGGTGCAGTCC
 GAAGTGTGTCACTACTGGAATGTGAGCAGCACACAGCATGGGGGACAGGACCCTCCAGAAC
 ACATTAGCCTCTGCCATTCTGCCAAAAAAGTTAAGAACATATGTAGCACCTTCTCTTCTC
 GGAGAATCCTGACAACCAGCAGTGCCACCCAGGTTTGGAATTCAGCAAGACTTCTTCTCT
 CTAAGGCCAGTACATTGCAGCTGGGCTCACCCAGGGCCACAGGAGTTGATGAAGAGGACG
 TAGAAGTGTTGATTCTTTGAAAACATGCGAGTTTTTCTACAGCTAAGACCAGAATACC
 GTGTTCACAGCTATAATGCATCTGAGACTTCTCAGCTCCTGTCTGCTTCAACGCGAAC
 TAATTTTGCACAAAGTCAGAGCTAATCAAAATAATCTCCACGCTCAAGTCATCTGCGATT
 ATCTGTGAAAGCTGAACCTTTGCCTGCAGAGCAACATACCGTCTTGCTCGGCAGTACCA
 GCTTTGCTCTGCTCTGCCAGCTGACTGTGAAAAAATACACCTCTTTGATACCCAGATCT
 GACCAATGCTTCGAAGCCTTTTGTCTTCTAGAAATCCTCACTCCCCCTAATGTCACAAG
 CGCTTGAAACCACGCTGCCCTCAAGGATGGGAGAAGAAAACCGCTCACCTCCTTTGGTG
 GCGATCTCTGG

3' Read Nucleotide Sequence:

>OriGene 3' read for NM_021826 unedited
 GCGGCCGAATCTAGAGTCGAGTTTTTTTTTTTTTTTTTTTACCCTAGGACATATTAAGA
 TGTTTTATTATTTACTAAGAGTAACATGTATACATTTGCAGTAATTTGTACAATCCAATA
 CATTACAATTCACAGTAACATACACTAGCTCTAACCTGCCTTGGATACAATTAAGTCTCC
 TCAACACACTATTTATCGCCAACTTACATTCTGGCTTTTATAATCATTTTGCAACACC
 TGGTACAGTATACACCTATAGCTTTGCCATAGAAATGCCCTAAATGCCCTTCAGAGAGC
 AGAGGTGAATACTTTCTCATGAAGAAACGCCAATTTTCTAAGCGAGTTCGTTTCAGTAG
 TGGGAGCCATTCCAGTAGGATAACTCTACCACACGGTAGCCAAGCCGAGCCAGCTGCCG
 CCTCTTCATATTGTGCAGTCCAAGGAGATCCCTGGAGCCATAGCAATACTGGTTCCTGTT
 TGTGAAGTGAACAGCCAGCTTATTCTTGGGGTCTGCATGCAGGCTGCGGGGCACAGGCC
 AGCCATCTCCATGGCCCCTGATTATCTGCTACATTGCAAAGGAAGCCCCCAGAGGTAC
 AGCTGCCTTATTCTCAACTCCATGGGCTGCTGCCAGGCTCTGACTCAGTTTTGGCCTG
 GAAATGTCCTCTTGCTTTCCCTTTTAGTAACTTATTCATCAAAATCATCTGTAAGGCTGAC
 TCCCAATGCTCAAGCCTTAATTTGGCTACATTNNTCAGCCGGCGTGGCTTCTCTATTAA
 TGGGTATGGGCTTCAGGTTAACATCAAGCTGGACCTCTAGTCAAAGAATCGGGTATGAGG
 CAAATCATATGGGGCTTGACGTACTGGGGGCCCCAGCATGGGNTCAGTANAAGAAAG
 TNCTAGAATTCAGGCTTGATNCAATCCTCTTGCTAAATCACACAATCAGACCTTT

Restriction Sites:

NotI-NotI

ACCN:

NM_021826

Insert Size:

2700 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:	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_021826.4, NP_068598.1</u>
RefSeq Size:	2875 bp
RefSeq ORF:	2295 bp
Locus ID:	60493
UniProt ID:	<u>Q7L8L6</u>
Cytogenetics:	20p13
Gene Summary:	Plays an important role in the processing of non-canonical mitochondrial mRNA precursors (PubMed:25683715).[UniProtKB/Swiss-Prot Function]