

Product datasheet for **MC221790**

Fastkd5 (NM_198176) Mouse Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Fastkd5 (NM_198176) Mouse Untagged Clone
Tag:	Tag Free
Symbol:	Fastkd5
Synonyms:	C78212; mKIAA1792
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)



[View online »](#)

Fully Sequenced ORF: >MC221790 representing NM_198176
 Red=Cloning site Blue=ORF Orange=Stop codon

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGCATCGC**

ATGGCTCTTGTGGTATGCCGAAGATTTACAGGCAGTTTCTGTGGAACATTTCCCTGTCCACCTCTAATGA
 AGCCCCGTCAAACAAGAACATGTGATTTTGTCTGACTGCCAAGAAGATCAGCACAGACTCCAGAATGTC
 AGCCGCTCTCAAGCTATTAGAACCTTTAAAGTACAAAGCACCTTGAATCCTGCTTACCGTGCAGCCCAA
 AGCGTGGCCCATTTGGCACATGGGAACATCACGCCACAGGGGACAGACGCTCCCTGAATGTAATAGCT
 CCTGCCATCTTGCAGAAAAGTGAAGAAGCTTGTGGTACCACCCTTCTCGGAGAACCTTCACAGCCAG
 CAGTGGCCACCTGGGTTTGGAGTTCAACAAAGCTTCTACCCTAATGCCAGCACACTGCATCCAGACTCA
 TCCAGTGTGGAGAGGTGAAGAGGATGTAGAGGTCTTTGATTCTTGAAGGAACCCGAGTTTCTTAA
 AGCTAAGGCCAGAGTACCAGCTTACAGCTATAACAGAAGTGACACTACCAACCCATAGCTGCTTCAGA
 AGTTGAACTAATTTGCACAAAGTCACATTCTACCAAAATAAACTCCAGCCAGAAGTCATACTAATTAT
 TTTTATAAGCTCAGCTCTTTGCCAGCAGAACAGAATTCTGTTTTGCTATCCAGTAACAGCTTTGCTTTGC
 TCTGCCAGCTGAGTGTGAAAAACATACAGCTCTTTAACACCTCCGATCTGATCAGTATTTTGAAAGCCTT
 TGTTGACTTAAGAATCCCCCTCCCTGTCCATGCTAGATGTGTATGAAACCAGATTTTGCCATCAGGTA
 TGGGAGATGACTCTAGATCAGCTTCTCCTAGTAGCTGATCTTTGGCGAACTTAGGCCGAGAGTGCCTC
 GTTTTTTTAAATTTTTTTTATCTTAATTTACACTGGAGAGAGCTATCTTTGTCTCAGCTGATTCA
 CTTAATTTATATTATAGGTGAAAATCGTCAAGTACCACAGGACCTGATGCAAAGACTAGAATCACTGATC
 CTTAAGTATGTAGATTCAGTCAATTTAGAGGAAGTTGGTACAATCTGTTTGGGGTTTTTAAATCAAGTA
 GTAGTCTCTGAAATTTGTCATCGGAAAATTTGGAGATCTAGCTTGTGCTAACATGCAGCATCTGAGTAG
 CCACACCTTAGTTCATATTCTTAAATGTTCCGCTTCACTCATGTAGATCATATACATTTTATGAAGCAG
 TTTGGAGAAATTGCTCCTCAGAGAATTCCTTCTTGGGGTTTCAGGGTGTATGCACCTCACACTTGCT
 GCTCAGCCTTACGCATCCTGGATGAAAGAGTAATGAACGCAGTAGCTGCCTCTTTGCCTCCGAGGGTAGC
 ACACTGTGCAAGTAAAGATGTTGCCAAAATTTCTGTGGTCTTTGGAACCTCTGAATTATAAGCCACCAAC
 ACAGAAGAATTTATTCCAGTCTCATAATGAAATCCACAGAAAGATGCCTGAATTCACCAGTACCCAG
 AGCACCTTCTCACCTGCCTGATTGGCTTGGCATTCTTGAATACTTTCCAGTTGAGTTTCAAAATGTTGC
 TCTGAGCCAGGATTTGTCAAGTTAGCTCAAGAGAGAAGTAAGTTTGAACCTCACTAAGGAAGTGTACT
 CTTGATGTTACAGTTGCCATTGAATGTCCAGATTACAAGGGCAACCGTCTTAATTTCTCACCTTCAACAAG
 AAACATCTGCAAATCTGTGGAATCTAGCAAGTAAGGATATGAGATCAAAGCCTGAATTCCTAGAAATCT
 CTATTTACTTGAGACCATGTTGGGTGGCCCCCAGTACATTAAGCACCATATGATTTTGCCTCATACCCGC
 TCTTCTGACTTAGAGTTTCACTTGTATGCTAACATGAAACCAATGCCCTTTAATAGTGAAGCGACACCA
 CTGAAGATGGAGCTCAATTACGGTTTAAGCAAGTGGGAGTCAGCCTTACAGATGATTTGATGAATCAGTT
 GCTGAAGGGAAAAGCCAAGAGGTATTTCCAGGGGCAAATTGAGTTAGAGACTGGCCAGCCACCCATGGAG
 TTAAGAAAGAAGACAACGTACCTTGGTGAACCTCTGTTGCAATGGGACAGATAGATTGGGGGATGGGA
 TGGTTGGCTTGTGCCCTTAGCCACATGCAGCCCCCATTAGTGAAGCTAGCTATCCAGTTCACAAACAA
 GAACCAATACTGCTATGGTTCCAGGGCTCTACTTGGATTGCACAATATGAAGAGGAGGCAGCTAGTTCAA
 ATTGGGTACCGTGTGGTAGAATTACCCCACTGGGAATGGCTTCCACTACTAAAAAGAACTCGCTTAGAGA
 AGCTAGCATACCTCCATGAGAAAGTGTACCTCTGCTCT**CGA**

ACGCGTACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
 ACAAGGATGACGACGATAAGGTTTAA

Restriction Sites: Sgfl-MluI
ACCN: NM_198176
Insert Size: 2424 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.
Note:	Plasmids are not sterile. For experiments where strict sterility is required, filtration with 0.22um filter is required.
RefSeq:	<u>NM_198176.2, NP_937819.2</u>
RefSeq Size:	3164 bp
RefSeq ORF:	2424 bp
Locus ID:	380601
UniProt ID:	<u>Q7TMV3</u>
Cytogenetics:	2 F1
Gene Summary:	Plays an important role in the processing of non-canonical mitochondrial mRNA precursors. [UniProtKB/Swiss-Prot Function] Transcript Variant: This variant (1) represents the longer transcript. Both variants 1 and 2 encode the same protein. Sequence Note: The RefSeq transcript and protein were derived from genomic sequence to make the sequence consistent with the reference genome assembly. The genomic coordinates used for the transcript record were based on alignments.