

## Product datasheet for **MC220956**

### Fastkd5 (NM\_001146084) Mouse Untagged Clone

#### Product data:

Product Type:	Expression Plasmids
Product Name:	Fastkd5 (NM_001146084) Mouse Untagged Clone
Tag:	Tag Free
Symbol:	Fastkd5
Synonyms:	C78212; mKIAA1792
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
Cell Selection:	Neomycin



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**Fully Sequenced ORF:** >MC220956 representing NM\_001146084  
 Red=Cloning site Blue=ORF Orange=Stop codon

TTTTGTAATACGACTCACTATAGGGCGGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC  
 GCC**CGCATCGCC**

ATGGCTCTTGTTGATGCCGAAGATTTACAGGCAGTTTCTGTGGAACATTTCCCTGTCCACCTCTAATGA  
 AGCCCCGTCAAACAAGAACATGTGATTTTCTGCTGACTGCCAAGAAGATCAGCACAGACTCCAGAATGTC  
 AGCCGCTCTCAAGCTATTAGAACCTTTAAAGTACAAAGCACCTTGTAACTCCTGCTTACCGTGCAGCCCAA  
 AGCGTGGCCCATTTGGCACATGGGAAACATCACGCCACACGGGGGACAGACGCTCCCTGAATGTAATAGCT  
 CCTGCCATCTTGCAGAAAAGTGAAGAAGTGGTGGTACCACCCTTCTCGGAGAACCTTCACAGCCAG  
 CAGTGGCCACCTGGGTTTGGAGTTCAACAAAGCTTCTACCCTAATGCCAGCACACTGCATCCAGACTCA  
 TCCAGTGTGGAGGAGTGAAGAGGATGTAGAGTCTTTGATTCCCTCGAAGGAACCCGAGTTTTCTTAA  
 AGCTAAGGCCAGAGTACCAGCTTACAGCTATAACAGAAGTGACTCACCAACCCATAGCTGCTTCAGA  
 AGTTGAACATAATTTGCACAAAGTCACTTCTACCAAAATAAATCCAGCCAGAAGTCATAACTAATTAT  
 TTTTATAAGCTCAGCTCTTTGCCAGCAGAACAGAAATTCGTTTTGCTATCCAGTAACAGCTTTGCTTTGC  
 TCTGCCAGCTGAGTGTGAAAAACATACAGCTCTTTAACACCTCCGATCTGATCAGTATTTTGAAAGCCTT  
 TGTGACTTAAGAATCCCCCTCCCTGTCCATGCTAGATGTGTATGAAACCAGATTTTGCCATCAGGTA  
 TGGGAGATGACTTAGATCAGCTTCTCCTAGTAGCTGATCTTTGGCGGAACCTTAGGCCGAGAGTGCCTC  
 GTTTTTTAAATTTTTTTTGTATCTTAATTTACACTGGAGAGAGCTATCTTTGTCTCAGCTGATTCA  
 CTTAATTTATATTAGGTGAAAATCGTCAAGTACCACAGGACCTGATGCAAAGACTAGAATCACTGATC  
 CTTAAGTATGTAGATTCAGTCAATTTAGAGGAAGTTGGTACAATCTGTTGGGGTTTTTAAATCAAGTA  
 GAGTCTCTGAATTTGTCATCGGAAAATTTGGAGATCTAGCTTGTGCTAACATGCAGCATCTGAGTGA  
 CCACACCTTAGTTCATATTCTTAAATGTTCCGCTTCACTCATGTAGATCATATACATTTTATGAAGCAG  
 TTTGGAGAAATTGCTCCTCAGAGAATTCCTTCCCTTGGGGTTCAGGGTGTATGCACCTCACACTTGCCT  
 GCTCAGCCTTACGCATCCTGGATGAAAGAGTAATGAACGCAGTAGCTGCCTCTTTGCCTCCGAGGGTAGC  
 ACACTGTGCAAGTAAAGATGTTGCCAAAATTTCTGTGGTCTTTGGAACCTGAATTATAAGCCACCAAC  
 ACAGAAGAATTTTATCCAGTCTCATAAATGAAATCCACAGAAAGATGCCTGAATTCACCAGTACCCAG  
 AGCACCTTCTCACCTGCCTGATTGGCTTGGCATTTTCTGAATACTTTCCAGTTGAGTTTATAAATGTTGC  
 TCTGAGCCAGGATTTGTCAAGTTAGCTCAAGAGAGAAGTAAGTTTGAACCTCACTAAGGAAGTGTACT  
 CTTGATGGTACAGTTGCCATTGAATGTCCAGATTACAAGGGCAACCGTCTTAATTTCTCACCTTCAACAAG  
 AAACATCTGCAAATCTGTGGAATCTAGCAAGTAAGGATATGAGATCAAAGCCTGAATTCCTAGAAACTCT  
 CTATTTACTTGAGACCATGTTGGGTGGCCCCAGTACATTAAGCACCATATGATTTTGCCTCATACCCGC  
 TCTTCTGACTTAGAGTTTCAAGTGTGCTAATGAAACCAATGCCCTTTAATAGTGAAGCGACACCAA  
 CTGAAGATGGAGCTCAATTACGGTTTAAAGCAAGTGGGAGTCAAGCTTACAGATGATTTGATGAATCAGTT  
 GCTGAAGGAAAAGCCAAGAGGATTTCCAGGGGCAAATTTGAGTTAGAGACTGGCCAGCCACCCATGGAG  
 TTAAGAAAAGACAACGTACCTTGGTGAACCTGTTGCAATGGGACAGATAGATTGGGGGATGGGA  
 TGGTTGGCTTGTGCCCTTAGCCACATGCAGCCCCATTAGTGAAGCTAGCTATCCAGTTCACAAAACA  
 GAACCAACTACTGCTATGGTTCAGGGCTCTACTTGGATTGCACAATATGAAGAGGAGGCAGCTAGTTCAA  
 ATTGGGTACCGTGTGGTGAATTAACCCACTGGGAATGGCTTCCACTACTAAAAAGAACTCGCTTAGAGA  
 AGCTAGCATACCTCCATGAGAAAGTGTTCACCTCTGCTCT**TGA**

**ACGCGT**ACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT  
 ACAAGGATGACGACGATAAGGTTTAA

**Restriction Sites:** SgfI-MluI  
**ACCN:** NM\_001146084  
**Insert Size:** 2424 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_001146084.1</a> , <a href="#">NP_001139556.1</a>
<b>RefSeq Size:</b>	3127 bp
<b>RefSeq ORF:</b>	2424 bp
<b>Locus ID:</b>	380601
<b>UniProt ID:</b>	<a href="#">Q7TMV3</a>
<b>Cytogenetics:</b>	2 F1
<b>Gene Summary:</b>	<p>Plays an important role in the processing of non-canonical mitochondrial mRNA precursors. [UniProtKB/Swiss-Prot Function]</p> <p>Transcript Variant: This variant (2) differs in the 5' UTR compared to variant 1. 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.</p>