

Product datasheet for **MC220919**

Fuk (BC037698) Mouse Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Fuk (BC037698) Mouse Untagged Clone
Tag:	Tag Free
Symbol:	Fuk
Synonyms:	1110046B12Rik; AI303278
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
Cell Selection:	Neomycin



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Fully Sequenced ORF: >BC037698
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**GCGATCGCC**

ATGGGCCGAGACTTCCCCTTCGATGACTGTGGCAGGGCCTTCACTTGCCTCCCTGTGGAGAACCACAGG
 CCCTGTGGAGGCCTTGGTATGCAACCTGGACTGCCTGTTGGATATCATGACCCACCGGCTGGGTCCAGG
 TCCCCACCAGGTGTGTGGTCTGCAGCACCGACATGCTTCTGTCTGTTCTCCAACCCTGGGATCAGT
 TGGGATGGCTTCCGGGGAGCCAGAGTGATCGCCTTTCCTGGGAGCCTGGCCTATGCGTTGAACCACGGT
 TCTACCTCACTGACTCACAGGGCTTGGTTTTGGACATTTACTACCAGGGCACTAAGCGGAGATAACAACG
 TTGTGTCGGACCTGATGGGCTGGTACCATTGGTCTCCGGGGTCTGCTTCTTCTGTGGAGACTGCTGAG
 CACCTCTAGCCACCCATGTGAGCCACCCTGGATGCCTGCACCTATATGGGCTGGACTCTGGAGCCC
 AGCCTGTGCAGCTGTCTGTGTTTTTCGACATCCTGCTGTCATGGCTCGGAATATGAGCAGGGAGAACTT
 CCTGGCTGGGCGGCCCGGAGTTGGGGCAAGGTGACATGGATGTAGCAAGTTACCTGAAGGGAGCCCGG
 GCCCAGCTGTGGAGGGAGCTTCGAGATCAGCCCCACAAATGGTGTATGTCCCTGACGGCGGCTACAGCT
 ACATGACGACTGATGCCACCGAGTTCCTGCACAGACTCACGATGCCTGGAGTAGCTGTGGCACAGATTGT
 TCACTCCCAGGTGGAGGAGCCACAGCTGCTAGAGGCTACGTGCTCGGTGGTCACTGCCTGCTCGAGGGC
 CCTGTGCACCTGGGGCCTCGAAGTGTCTGCAGCACTGTACCTGAGGGGCCCAATTCGCATCGGCGCTG
 GCTGCTTTGTGAGTGGTCTGGATACAGCCCACTCGGAGGCACTGCATGGCCTGGAGCTCCATGATGTCAT
 CCTGCAGGGACACCATGTGCGGCTGCATGGCTCCCTGAGCCGTGATTTACTCTTGTGGCCGTCTGGAC
 AGCTGGGAAAGACAGGGGGCAGGCATGTATCTCAACATGTCTGGAATGAGTTCTTCAAGAAGACAGGCA
 TTCGAGACTGGACCTGTGGGACCCAGATACACCCCTCAGATCGATGCCTCCTCACTGCCCGCTTTT
 CCTGTGCTCCACCCACGAGGGCCCTGGGGCCCAAGGATGTGCTGTGGATGCTGCACCCCGCAACAC
 AGAGGTGAGGCCCTTCGGGCTGGCAGGCTCCTGGCGTCTGCTGGGAGCAGCTGCAACCTTGTGTGG
 ACCGGGCTGCCACACTGGACTTCCGCCGAGATCTGTTCTTCTGCCAGGCCTTGCAGAAGGCAAGGCATGT
 GTTAGAGGCGCGGAGGACCTCTGCCTACGTCCACTGATCCGGGCGCTGTGGGGAAAGTTGCTCTGGG
 CCCCTGCTGGCCACACTTGACAAGGTTGCAGCTGGGGCAGAAGATCCTGGCGTGGCAGCCCGGGCTCTGG
 CTTGTGTGGCCGATGTGCTGGGCTGCATGGCAGAGGGCCGAGGAGGCTTGCAGTGGGCCAGCTGCCAA
 CCCTGAGTGGATTCAACCTTTCTCATACTTGGAGTGTGGAGACCTGATGAGGGGTGTGGAGGCGCTTGC
 CAGGAGAGAGAGAAGTGGCTGACCAGGCCTGCCTTGTGTTTCGAGCTGCCCGCCATTACGAGGGGGCCG
 AGCAGATCCTGATCCGCCAGGCTGTGATGACAGCCCGGCACTTCGTCTCCACCCAGCCCGTGGAGCTGCC
 CGCACCCGGGAGTGGTGGTACTGAGTGCCAGCCCGTGTGGATTTCTCTGGGGGCTGGAGTGACACA
 CCGCCATTGCCTATGAGCTTGGTGGAGCAGTGTGGGCTGGCTGTGCGGGTGGATGGCCGCCGGCCCA
 TCGGGGCCAAAGCACGCCGCATCCCGGAGCCTGAGCTCTGGTGGCAGTGGGACCTCGGCAGGATGAGAT
 GACCATGAGGATAGTGTCCGGAGCCTGGATGACCTGCGGGATTACTGCCAGCCTCATGCCCCAGGGGCC
 TTGCTGAAGGCAGCCTTTATCTGTGCTGGCATTGTGCATCTCCACTCAGAGCTCCCTCTGCTTGAACAGT
 TGTTACACTCCTTAATGGTGGCTTTGAGCTGCACACGTGGTTCAGAGCTGCCGACGGCTCTGGTCTTGG
 CACCAGCAGCATCCTGGCAGGGGCTGCCCTGGCTGCCTTACAGCGGGCTGCAGGCCGGGAGTGGGCACG
 GAGGCTCTCATCCACGCAGTGTGCACCTGGAGCAGGTGCTCACCACAGGAGGTGGCTGGCAGGACCAAG
 TCAGTGGCCTAATGCCTGGCATCAAAGTGGGGCGCTCCCGGGCCAGCTGCCCTCAAGGTGGAGGTGGA
 GGAAATCACTGTGCCTGAGGGCTTTGTCCAGAAGAAGCTTATGGCCCCAGGCTGCAGGCCCTGGCCGTG
 CAGCGAATGATGGATGCTCTGGCCCGTATGCGTATGGCCAAAGCCTGGCAGGGGAGGTTGGGGGCT
 TTCTCTATCTATTGACCAAGGAACCCCGGCAGAAAGAGACTCTGGAAGCTGTCTGGCCAAGGCTGAGGG
 CCTTGGCAACTACAGTGTCCACCTGGTGAAGTGGATCCTCAGGGCCTGAGCCTGCAGCTGCTGGGACAC
 GACACCCGCTTTGTGGGGCCGGCCCTCTGAAGTGGGACCACCTAG

ACGCGTACGCGGCCGCTCGAGCAGAAACTCATCTCTGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
 ACAAGGATGACGACGATAAGGTTTAA

Restriction Sites: SgfI-MluI

ACCN:	BC037698
Insert Size:	2778 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>BC037698</u> , <u>AAH37698</u>
RefSeq Size:	3626 bp
RefSeq ORF:	2777 bp
Locus ID:	234730
Cytogenetics:	8 E1
Gene Summary:	Takes part in the salvage pathway for reutilization of fucose from the degradation of oligosaccharides.[UniProtKB/Swiss-Prot Function]