

Product datasheet for MC204825

Fn3k (NM_001038699) Mouse Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Fn3k (NM_001038699) Mouse Untagged Clone
Tag:	Tag Free
Symbol:	Fn3k
Synonyms:	2310074G21Rik
Mammalian Cell Selection:	Neomycin
Vector:	PCMV6-Kan/Neo (PCMV6KN)
E. coli Selection:	Kanamycin (25 ug/mL)
Fully Sequenced ORF:	>BC054374

```

CTGCACCTCAACTCTCCATGGAGCAGCTGCTGCGCGCCAGCTTACACCACAACACTGCGGGCCTTTGG
GAGCTCCGGAGGGGCTGCATCAGCGAGGGCTATGCCTACTACACTGACAGTGGCCCCGTGTTTGTCAAG
GTCAATCGCAGGACACAGGCCCGCAGATGTTTGAGGGAGAGATGGCGAGCCTGGAGGCCCTCCGCAACA
CTGGCTTGGTGCGGGTTCCTAAGCCCATGAAGGTGATTGACTTGCCAGGAGGTGGGGCTGTCTTTGTGAT
GGAGCACTGAAGATGAAGAGCCTTAGCAGTCAGGCATCAAAGCTCGGGGAACAGATGGCAGACCTGCAC
CTTTACAATCAGAAGCTCAGGGAGAAGTCCAAGACTCGGCAGAACACAGTGGGCTGTGGGGCGGAGGGTG
CTGAGCCCCAGGGTGTGACCAAGTTTGGCTTTCACACAGTGACATGCTGTGGCTTATCCCACAGGTGAG
TGTTAGAGTGGGGCATCCTCTCGGGGGCACCCCTCACTTAGTGAGGACCATTCCTGAAGCTCTGGTGCTA
GCCACTGACCCATTGTGTGCCACAGAGTGCCAGTTCTCCAGACACCAGGACGCTCAGTTTCTGAAGGTAG
AGTGTAGTCTGTGACACTCAGGACAGAAAGCTGATGGGAAGGCTTGGTGGGAGTAAACACTTCAGTCAGC
TGGTCAGCATTCCAGGTGGGCACAAGAGGGATGCAAAGGCCACGATGTGGGAGAGAACCTGACCAGTTTA
AGAATCTGAAGAGGGTAAAGTGGACAAAGCTCAGGGTCCAGCCCTTATCATGCAGTTTCTTCCAGGGC
TGTCTTATTGACAGCTTCTCCTACTTACCACAGTGTTTTTGAGGTTAATCTACATGTGGCATGTGTAAGA
ACACTTCTTTTGGTAGAGTAATTTTCACTGTATGGGTGGACCAGATTTTGGACTGGAATTTGCAACC
TTCCTGATACAGTCTCTCAAGTGTGTTATTATAGGTCTGAACCATCATGCCCGTTTTCATCCGTTTGTG
GTGTGTGTGAGAGAGAGTGTATGCCACATACAGGTACCCGAGGAAGCTAGAGGATGGTGTCTTATCCCTT
GGAGCTGGAGTTACAGGTAGTTGTGAACCACGGGATGTGGATGCTGTGAACCAAACCTCTGGGCTTTTGGG
AGAACAGCAAGTACCATTATTTGTTGAGCCAAGTTTCCAATCTCCATTCTTTATTATTATGGCTGAGTAA
CATCTTAGAAACTTAGAAGATCTAAAGGAGTCTTATCTCCTGGGCATCTACCTGCCCTACGCCCTACCTCA
AAGAAGCCATTATTAGACCCTATTTTGATTTATTAAGAACAGTTCGGTGTAAAGAGCCATCCCAATTTAAA
CCTGTTACTGCTTGAAGGGCCAACACTTCAAATCTTCTGTTTCTTGAACCTTCTCTGACTACTTGAG
CTACTGTAGGTGATAGCCATGCTCTTCTGGCATGAGTTGGAGGTGAGTCTCTTATTTGAAATGAATTA
TGGCAAGATTTTTATTAAGTCCAAGGCAGACTCAGGAATCTTATCCAATAGGGAGCAATGAATCTAGGTT
CCAACAAGTGTACACAGAAGACTTTTTGAGACCCCTAATCTCAGCCAAATCTGACTTTCCTGGCGTTAC
ACAAGTACTGGAGCTAGGGACGAGCATGGCCTCTGTTACCATAGACAAGCATGGCTTGTCTTCTGAGT
CACATGTTGAGTTAAGGGCCTCTCATGGTGGTGGGACTCAAAGATTGGGCTGATGAAGCATAGTGT

```



[View online >](#)

```

TTCTCAAATATTCATGAGTTAAGAAATGAAATAGTCTCTAGAACTTGTATATGAAGCAGATAAGAATGGA
GCTGCTCAGAGAGATGGAGGGTCTCCGAGTTCCCTCAGACTCTGGTCAGAAGGCTATCAGCGTCTGGT
CCATCTATGTTGAGTGACAACAAAATTGTTCTTTATGTAGTGCCTCCAACCATCCCAAGCCATGTAGCA
TCCTCGTCCCTAGCTGGGCTGACTGGGCCCTGAGGGGTGTTGCAGTCATGGTGGGAAACCACAGAAGGCA
TGGATTTCTTGGACTCCAGAGAATTTGGTCTATTGGAAGCACCAGCCCAGTTGGCTGGGGAATTTGTGG
GTTGTATTTCTGCTAAGAACTAAGCCACGTTCCAAGCATTGTCTGACTCAGCTTACCAGTTGCCACAG
TTGGTAGACAACACTAGGTGATGTCACCGATCCATCTTAGAGAAGAAGAAATGGATGCTCTGAGACTAAGAA
ACATTCAGAGATTTTGCAGCCAGTGAATGGAGGAACAGAACCTTGACATCCAGTCTGGCCTCGGAGATG
GGCTCTAACCACTACACAGTGCTGCCCTTCTCAGTCTTCATGCTCAGGTGGCACCTGCCCTTAGTAGCTC
AGCAGGAAGGCTACATGCCTCTGTGGCCTTGGGAATCATGGCCCTTCCACCTAAGTGGAACACTGAGAG
CTTGCCAAATGCTAGCCAACAGGAAATGACCTTTTGTGACCTTGTGATCTTTTGGCAAGAGGAGGGCCCC
AGGCACTGGGAATTTTGGCAGGTAATAAGAAACGGTGGGATGGCAGATGGTGGACCTCCGTGCTTGAGGG
CTTGCCAGACTGGGGCAAAGGTCTCTTGTGGTGTGCTAGAACCAGGGAGTAAACCCTGGGCTAAGCAG
CACCAAGAAGGACTCCAGAAGGAGAATGGCTAGGACTGTACAGACTGTTGGTTCAGAATGTTCCAAAAGC
TCTACTTTGGGGTTTCTCAGAACAGCCCTTGGAAAACCTCAGCTCACATCCATCTCTATGGAAGTATAG
GTGACACAAAGTACGCCTATTTTAGGTATGCAGTTTGATAACGTGGAGAGTCAGCCACAAAATTTCTCAC
TGAGGTGAGAATGAGCACACAGACCCTTCTCGTGTCTTTCACAGCCCTTCCCGTAACCTTCCCTGT
CCCTGGGTCACTGTAGATTTGCCTGTGTTTTGTGAAGTTTTATATGACTGTAACAATATAGCATGTGCC
CTTTACCTATCTTTTTCCATCTGACATATTTACTCAGTGCCACCGTTCTGATGTGTGCCATGTCAAAAT
CTCTTGATGTTTACATAACATCCATTCATGTACATGCGTCAAAGGCCATTACACTGTATAGACAAA
CCGTGGTCTCTGTTTATCCATTCATCTGTTGATGGATGTCTGTGTTGTTCCACCTAGCTTCTGTTTTCA
CAAATAAAGCTGTACGAACCTTTGTGCATCGGACTTGATCTTGGTTGACTGTATGAGCCCTGAGAGGACT
AAAACCTGGGTTGCACGGCAGGTTCTTACTTAAGTTTTTCAGAACTGCCCTGTGGGGCTGAGAGGTGACT
AACAGCAGGTACTGCTTTCAGAGAACCTGACTTCGGTTCACAGCAGCTCGCGGCCACCTGCCACTCCA
CTTGCAGGAGATCTGAGGCCTCCTTTTTGCCTTTGTAGGTAAGTACTCAGACATCCATGGCATATTCTCACA
GATACACTCACATAAATATGTTTTTAAAAATCTTAAAAAGAACAATAAAATGAAACTGCCTCGTGTTC
CAAAGAGGTTGTACCAGTTAAATCCCCTAACCGATGTAAAAGTTCCAGGCTTTCCTACTCTGATGTGT
ACTGGATATTTCTGGAGTTGTTGTTTTAGTTTGTTCATCCAGCTGGAGACAAGTGTCACTCTG
AGATTCATTTTGTATTCTGCCATGACAGATGCTCAATAAATGCACATTTGCTGACAAAAAAAAAAAAA AAAAAAAAAAAAAA

```

- Restriction Sites:** RsrII-NotI
- ACCN:** NM_001038699
- Insert Size:** 627 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:** [BC054374](#), [AAH54374](#)

RefSeq Size: 3863 bp

RefSeq ORF: 627 bp

Locus ID: 63828

Cytogenetics: 11 E2

Gene Summary: May initiate a process leading to the deglycation of fructoselysine and of glycated proteins. May play a role in the phosphorylation of 1-deoxy-1-morpholinofructose (DMF), fructoselysine, fructoseglycine, fructose and glycated lysozyme (By similarity).
[UniProtKB/Swiss-Prot Function]
Transcript Variant: This variant (2) uses a different splice site and segment for its 3' UTR, compared to variant 1. The resulting protein (isoform b) has a shorter and distinct C-terminus when it is compared to isoform a.