

Product datasheet for MC223527

Fuk (NM_172283) Mouse Untagged Clone

Product data:

Product Type: Expression Plasmids
Product Name: Fuk (NM_172283) 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
Fully Sequenced ORF: >MC223527 representing NM_172283
 Red=Cloning site Blue=ORF Orange=Stop codon

TTTTGTAATACGACTCACTATAGGGCGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGGATCGCC**

ATGGAGCAGTCAGAGGGAGTCAATTGGACTGTCATTATCCTGACATGCCAGTACAAGGACAGTGTCCAGG
 TCTTTTCAGAGAGAGCTGGAGGTAAGGCAGAGACGGGAGCAGATTCCTGCGGGGACGATGTTACTGGCTGT
 GGAGGATCCCCAGACTCGAGTCGGCAGCGGAGGAGCCACCCTCAACGCACTGCTGGTGGCTGCTGAACAC
 TTGAGTGGCCGAGCTGGCTTCACTGTGGTCACGTCCGATGTCCTGCACTCTGCCTGGATCCATCTTGC
 ACATGGGCCGAGACTTCCCCTTCGATGACTGTGGCAGGGCCTTCACTTGCCTCCCTGTGGAGAACCACA
 GGCCCTGTGGAGGCCTTGGTATGCAACCTGGACTGCCTGTTGGATATCATGACCCACCGGCTGGGTCCA
 GGTTCCCCACAGGTGTGTGGGTCTGCAGCACCAGACATGCTTCTGTCTGTTCCCAAACCTGGGATCA
 GTTGGGATGGCTTCCGGGGAGCCAGAGTGATCGCCTTTCCTGGGAGCCTGGCCTATGCGTTGAACCACGG
 TGTCTACCTCACTGACTCACAGGGCTTGGTTTTGGACATTTACTACCAGGGCACTAAGGCGGAGATACAA
 CGTTGTGTCGGACCTGATGGCTGGTACCATTGGTCTCCGGGGTCTCTTCTTCTGTGGAGACTGCTG
 AGCACCTCCTAGCCACCATGTGAGCCACCCTGGATGCCTGCACCTATATGGGCTTGGACTCTGGAGC
 CCAGCCTGTGCAGCTGTCTGTTTTTCGACATCCTGCTCTGCATGGCTCGGAATATGAGCAGGGAGAAC
 TTCTGTGGTGGGCGGCCCGGAGTTGGGGCAAGGTGACATGGATGTAGCAAGTTACCTGAAGGGAGCCC
 GGGCCAGCTGTGGAGGGAGCTTCGAGATCAGCCCTCACAATGGTGTATGTCCCTGACGGCGGCTACAG
 CTACATGACGACTGATGCCACCGAGTTCCTGCACAGACTCACGATGCCTGGAGTAGCTGTGGCACAGATT
 GTTCACTCCCAGGTGGAGGAGCCACAGCTGCTAGAGGCTACGTGCTCGGTGGTCACTGCTGCTCGAGG
 GCCCTGTGCACCTGGGGCCTCGAAGTGTCTGCAGCACTGCACCTGAGGGGCCCATTCGCATCGGCGC
 TGGCTGCTTTGTGAGTGGTCTGGATACAGCCACTCGGAGGCACTGCATGGCCTGGAGCTCCATGATGTC
 ATCCTGCAGGGACACCATGTGCGCTGCATGGCTCCCTGAGCCGTGATTTACTCTTGTGCGCCGTCTGG
 ACAGCTGGGAAAGACAGGGGGCAGGCATGTATCTCAACATGTCCTGGAATGAGTTCTTCAAGAAGACAGG
 CATTTCGAGACTGGGACCTGTGGGACCCAGATACACCCCTCAGATCGATGCCTCCTCACTGCCCGCCTT
 TTCCCTGTGCTCCACCCACGAGGGCCTGGGGCCCCAGGATGTGCTGTGGATGCTGCACCCCGCAAAAC



ACAGAGGTGAGGCCCTTCGGGCCTGGCGAGCCTCTGGCGTCTGTCTGGGAGCAGCTGCAACCTTGTGT
 GGACCGGGCTGCCACACTGGACTTCGCGGAGATCTGTTCTTCTGCCAGGCCCTGCAAGAAGGCAAGGCAT
 GTGTTAGAGGCGCGGCAGGACCTCTGCCTACGTCCACTGATCCGGGCCGTGTGGGGAAGGTTGCTCTG
 GGCCCTGCTGGCCACACTTGACAAGGTTGACAGCTGGGGCAGAAGATCCTGGCGTGGCAGCCGGGCTCT
 GGCTTGTGTGGCCGATGTGCTGGGCTGCATGGCAGAGGGCCGAGGAGGCTTGCAGTGGCCAGCTGCC
 AACCTGAGTGGATTAGCCTTTCTCATACTTGGAGTGTGGAGACCTGATGAGGGGTGTGGAGCGCTTG
 CCCAGGAGAGAGAAGTGGCTGACCAGGCCTGCCTTGTGTTGAGCTGCCCGCCATTACGAGGGGGC
 CGAGCAGATCCTGATCCGCCAGGCTGTGATGACAGCCCGCACTTCGTCTCCACCCAGCCGTGGAGCTG
 CCCGACCCGGGCACTGGGTGGTACTGAGTGGCCAGCCCGTGTGGATTCTCTGGGGGCTGGAGTGACA
 CACCGCCATTGCCTATGAGCTTGGTGGAGCAGTGTGGGCTGGCTGTGCGGGTGGATGGCCGCCGGCC
 CATCGGGGCCAAAGCACGCCGATCCCGGAGCCTGAGCTCTGGCTGGCAGTGGGACCTCGGCAGGATGAG
 ATGACCATGAGGATAGTGTGCCGAGCCTGGATGACCTGCGGGATTACTGCCAGCCTCATGCCCCAGGGG
 CCTTGCTGAAGGCAGCCTTTATCTGTGCTGGCATTGTGCATCTCCACTCAGAGCTCCCTCTGCTTGAACA
 GTTGTACTACTCCTTTAATGGTGGCTTTGAGTGCACACGTGGTCAAGCTGCCGCACGGCTCTGGTCTT
 GGCACCAGCAGCATCCTGGCAGGGGCTGCCCTGGCTGCCTTACAGCGGGCTGCAGGCCGGCAGTGGCA
 CGGAGGCTCTATCCACGCAGTGTGCACCTGGAGCAGGTGCTACCACAGGAGGTGGCTGGCAGGACCA
 AGTCAGTGGCCTAATGCCTGGCATCAAAGTGGGGCGCTCCCGGGCCAGCTGCCCTCAAGTGGAGGTG
 GAGGAAATCACTGTGCTGAGGGCTTTGTCCAGAAGATCAATGACCATCTGCTCCTGTTTATACCGGCA
 AGACCCGATTGGCCCGGAATCTGCTGCAGGACGTGCTGAGGAAGTGGTACGCTCGGTTGCCGTTGTGGT
 ACAGAATGCCCGCAGACTGGTGCACAGACCGAGAAGTGCCTGAAGCTTCCGCCAAGGAAACCTGCCT
 CTGCTGGGACAGTACCTGACCTCATACTGGGAGCAGAAGAAGCTTATGGCCCCAGGCTGCAGCCGCTGG
 CCGTGCAGCGAATGATGGATGTCTGGCCCCGTATGCGTATGGCCAAAGCCTGGCAGGGGACGGTGGTGG
 GGGCTTTCTCTATCTATTGACCAAGGAACCCCGCAGAAAGAGACTCTGGAAGCTGTCTGGCCAAGGCT
 GAGGGCCTTGGCAACTACAGTGTCCACCTGGTGAAGTGGATCCTCAGGGCTGAGCCTGCAGCTGCTGG
 GACACGACACCCGCTTTGTGGGGCCGGGCCCTCTGAAGTGGGCACCACCTAG

ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
 ACAAGGATGACGACGATAAGGTTTAA

Restriction Sites:

Sgfl-Mlul

ACCN:

NM_172283

Insert Size:

3273 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:

[NM_172283.3](#), [NP_758487.2](#)

RefSeq Size: 3874 bp

RefSeq ORF: 3273 bp

Locus ID: 234730

UniProt ID: [Q7TMC8](#)

Cytogenetics: 8 E1

Gene Summary: Takes part in the salvage pathway for reutilization of fucose from the degradation of oligosaccharides.[UniProtKB/Swiss-Prot Function]
Transcript Variant: This variant (1) encodes the functional protein. Sequence Note: This RefSeq record was created from transcript and genomic sequence data to make the sequence consistent with the reference genome assembly. The genomic coordinates used for the transcript record were based on transcript alignments.