

Product datasheet for **MR229645**

Fut8 (NM_001252616) Mouse Tagged ORF Clone

Product data:

Product Type: Expression Plasmids
Product Name: Fut8 (NM_001252616) Mouse Tagged ORF Clone
Tag: Myc-DDK
Symbol: Fut8
Vector: pCMV6-Entry (PS100001)
E. coli Selection: Kanamycin (25 ug/mL)
Cell Selection: Neomycin
ORF Nucleotide Sequence: >MR229645 representing NM_001252616
Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCC**GCGATCGCC**

ATGCTTTTAAATCTAGGTCTAGGTTCTCAGAATCCTAAGGACTGCAGCAAAGCCAGGAAGCTGGTGTGTA
ACATCAATAAAGGCTGTGGCTATGGTTGTCAACTCCATCACGTGGTCTACTGTTTCATGATTGCTTATGG
CACCCAGCGAACACTCATCTTGGAAATCTCAGAATTGGCGCTATGCTACTGGTGGATGGGAGACTGTGTTT
AGACCTGTAAGTGAGACATGTACAGACAGATCTGGCCTCTCCACTGGACACTGGTCAGGTGAAGTAAATG
ACAAAAACATTCAAGTGGTTCGAGCTCCCCATTGTAGACAGCCTCCATCCTCGGCCTCCTTACTTACCACT
GGCTGTTCCAGAAGACCTTGACAGCCGACTCCTAAGAGTCCATGGTGACCCTGCAGTGTGGTGGGTGTCC
CAGTTTGTCAAATACTTGATTCTGCCAACCTTGGCTGGAAAAGGAAATAGAAGAAGCCACCAAGAAGC
TTGGCTTCAAACATCCAGTTATTGGAGTCCATGTCAGACGCACAGACAAAGTGGGAACAGAAGCAGCCTT
CCACCCCATCGAGGAGTACATGGTACACGTTGAAGAACATTTTCAGCTTCTCGCACGCAGAATGCAAGTG
GATAAAAAAAGAGTATATCTGGCTACTGATGATCCTACTTTGTTAAAGGAGGCAAAGACAAAGTACTCCA
ATTATGAATTTATTAGTGATAACTCTATTTCTTGGTCAGCTGGACTACACAATCGGTACACAGAAAATTC
ACTTCGGGGTGTGATCCTGGATATACACTTTCTCTCACAGGCTGACTTTCTAGTGTGACTTTTTTCATCC
CAGGCTCTGTCGGGTTGCTTATGAAATCATGCAAACCCTGCATCCTGATGCCTCTGCGAACTTCCATTCTT
TGGATGACATCTACTATTTTGGAGGCCAAAATGCCACAATCAGATTGCTGTTTATCCTCACAAACCTCG
AACTGAAGAGGAAATCCAATGGAACCTGGAGATATCATTGGTGTGGCTGGAAACCATGGGATGGTTAT
TCTAAAGGTATCAACAGAAAACCTTGAAAAACAGGCTTATCCCTCCTACAAAGTCCGAGAGAAGATAG
AAACAGTCAAGTATCCACATATCCTGAAGCTGAAAAA

ACGCGTACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
ACAAGGATGACGACGATAAGGTTTAA



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Protein Sequence: >MR229645 representing NM_001252616
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MLLNGLGSGQNPDKCSKARKLVCNINKGCGYGCQLHHVVYCFMIAYGRTQLILESQNWRYATGGWETVF
 RPVSETCTDRSGLSTGHWSGEVNDKNIQVVLPIDVSLHPRPPYLPLAVPEDLADRLLRVHGDPVAVWWVS
 QFVKYLIRPQPWLEKEIEEATKKLGFKHPVIGVHVRRTDKVGEAAFHPIEEYMHVVEEHFQLLARRMQV
 DKKRYYLATDDPTLLKEAKTKYSNYEFISDNSISWSAGLHNRYTENSRLRGVILDIHFLSQADFLVCTFSS
 QVCRVAYEIMQTLHPDASANFSLDDIYYFGGQNAHNQIAVYPHKPRTEEEIPMEPGDIIIGVAGNHWDGY
 SKGINRKLKGTGLYPSYKVKREKIETVKYPTYPEAEK

TRTRPLEQKLISEEDLAANDILDYKDDDDKV

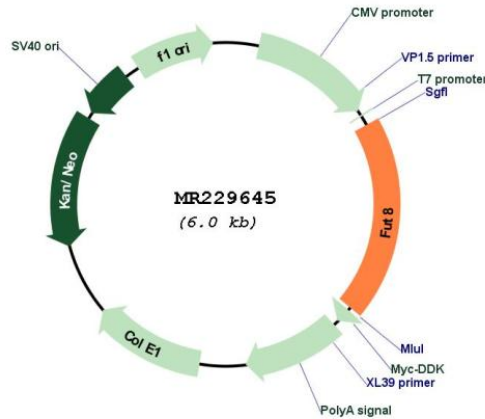
Restriction Sites:

Sgfl-MluI

Cloning Scheme:



Plasmid Map:



ACCN:

NM_001252616

ORF Size:	1158 bp
OTI Disclaimer:	The molecular sequence of this clone aligns with the gene accession number as a point of reference only. However, individual transcript sequences of the same gene can differ through naturally occurring variations (e.g. polymorphisms), each with its own valid existence. This clone is substantially in agreement with the reference, but a complete review of all prevailing variants is recommended prior to use. More info
OTI Annotation:	This clone was engineered to express the complete ORF with an expression tag. Expression varies depending on the nature of the gene.
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:	NM_001252616.1 , NP_001239545.1
RefSeq Size:	2106 bp
RefSeq ORF:	1161 bp
Locus ID:	53618
UniProt ID:	Q9WTS2
Cytogenetics:	12 C3
MW:	44.6 kDa
Gene Summary:	Catalyzes the addition of fucose in alpha 1-6 linkage to the first GlcNAc residue, next to the peptide chains in N-glycans.[UniProtKB/Swiss-Prot Function]