

Product datasheet for **MR230559**

Fut8 (NM_001252614) Mouse Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Fut8 (NM_001252614) Mouse Tagged ORF Clone
Tag:	Myc-DDK
Symbol:	Fut8
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
Cell Selection:	Neomycin



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ORF Nucleotide Sequence:

>MR230559 representing NM_001252614
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGGATCGCC**

ATCGGGCATGGACTGGTTCCTGGCGTTGGATTATGCTCATTCTTTTGCCTGGGGACCTGTATT
 ATATAGGTGGTCATTTGGTTCGAGATAATGACCACCCTGATCACTCCAGCAGAGAACTCTCCAAGATTCT
 TGCAAAGCTTGAACGCTTAAAACAGCAAAATGAAGACTTGAGGCGAATGGCTGAGTCTCTCCGAATACCA
 GAAGGCCCATTTGACCAGGGGACAGCTACAGGAAGAGTCCGTGTTTTAGAAGAACAGCTTGTAAAGGCCA
 AAGAACAGATTGAAAATTACAAGAAACAAGCTAGAAATGGTCTGGGGAAGGATCATGAAATCTTAAGAAG
 GAGGATTGAAAATGGAGCTAAAGAGCTCTGTTTTTTCTACAAAGCGAACTGAAGAAATTAAGCATTTA
 GAAGGAAATGAACTCAAAGACATGCAGATGAAATCTTTGGATTTAGGACACCATGAAAGGTCTATCA
 TGACAGATCTATACTACCTCAGTCAAACAGATGGAGCAGGGGATTGGCGTAAAAAGAGGCCAAAGATCT
 GACAGAGCTGGTCCAGCGGAGAATAACATATCTCCAGAATCCTAAGGACTGCAGCAAAGCCAGGAAGCTG
 GTGTGTAACATCAATAAAGGCTGTGGCTATGGTTGTCACTCCATCACGTGGTCTACTGTTTCATGATTG
 CTTATGGCACCCAGCGAACACTCATCTTGAATCTCAGAATTGGCGCTATGCTACTGGTGGATGGGAGAC
 TGTGTTTAGACCTGTAAGTGAGACATGTACAGACAGATCTGGCCTCTCCACTGGACACTGGTCAGGTGAA
 GTAATGACAAAAACATCAAGTGGTCGAGCTCCCATTTAGACAGCCTCCATCCTCGGCCCTCTTACT
 TACCACTGGCTGTTCCAGAAGACCTTGCAGACCGACTCCTAAGAGTCCATGGTGACCCTGCAGTGTGGTG
 GGTGTCCAGTTTGTCAAATACTTGATTCGTCCACAACCTTGGCTGAAAAAGGAAATAGAAGAAGCCACC
 AAGAAGCTTGGCTCAAACATCCAGTTATTGGAGTCCATGTGAGCGCACAGACAAAGTGGGAACAGAAG
 CAGCTTCCACCCCATCGAGGAGTACATGTCACGTTGAAGAACATTTTCAGCTTCTCGCACGCAGAA
 GCAAGTGGATAAAAAAGAGTATATCTGGCTACTGATGATCCTACTTTGTTAAAGGAGGCAAAGACAAAG
 TACTCCAATTATGAATTTATTAGTGATAACTCTATTTCTTGGTCACTGGACTACACAATCGGTACACAG
 AAAATTACTTCCGGGTGTGATCCTGGATATACACTTTCTCTCACAGGCTGACTTTCTAGTGTGACTTT
 TTCATCCAGGTCTGTGGGTTGCTTATGAAATCATGCAAACCCTGCATCCTGATGCCTCTGCGAACTTC
 CATTCTTTGGATGACATCTACTATTTGGAGGCCAAAATGCCACAATCAGATTGCTGTTTATCCTCACA
 AACCTCGAACTGAAGAGGAAATCCAATGGAACCTGGAGATATCATTGGTGTGGCTGGAACCATTTGGGA
 TGGTTATTCTAAAGGTATCAACAGAAAACCTTGAAAAACAGGCTTATATCCCTCTACAAAGTCCGAGAG
 AAGATAGAAACAGTCAAGTATCCACATATCCTGAAGCTGAAAAA

ACGCGTACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
 ACAAGGATGACGACGATAAGGTTTAA

Protein Sequence:

>MR230559 representing NM_001252614
 Red=Cloning site Green=Tags(s)

MRAWTGSWRWIMLILFAWGTLIFYIGGHLVRDNDHPDHSRELSKILAKLERLQKQNEDLRMAESLRIP
 EGPIDQGTATGRVRLVLEEQLVKAKEQIENYKKQARNGLGKDHEILRRRIENGAKELWFFLQSELKKLKLH
 EGNELQRHADEILLDLGHHERSIMTDLYYLSQTDGAGDWREKEAKDLTELQRRITYLQNPKDCSKARKL
 VCNINKGCGYGCQLHHVVYCFMIA YGTQRTLILESQNWR YATGGWETVFRPVSETCTDRSGLSTGHWSGE
 VNDKNIQVVELPIVDSLHPRPPYPLAVPEDLADRLLRVHGDPVWVWSQFVKYLIRPQPWLEKEIEEAT
 KKLGFKHPVIGVHVRRTDKVGTEAAFHP.IEEYMHVVEEHFQLARRMQVDKRVYLATDDPTLLKEAKTK
 YSNYEFISDNSISWSAGLHNRYTENSLRGVILD IHFLSQADFLVCTFSSQVCRVAYEIMQTLHPDASANF
 HSLDDIYFYGQNAHNQIAVYPHPKPRTEEEIPMEPGDIIIGVAGNHWGYSKGINRKLKGTGLYPSYKVR
 KIETVKYPTYPEAEK

TRTRPLEQKLISEEDLAANDILDYKDDDDKV

Restriction Sites:

Sgfl-MluI

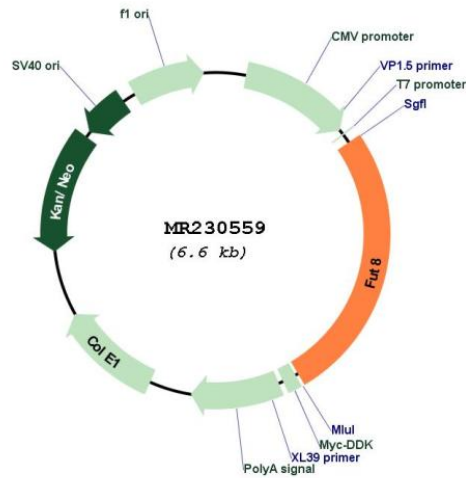
Cloning Scheme:

Cloning sites used for ORF Shuttling:



* The last codon before the Stop codon of the ORF

Plasmid Map:



ACCN:

NM_001252614

ORF Size:	1725 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_001252614.1 , NP_001239543.1
RefSeq Size:	3012 bp
RefSeq ORF:	1728 bp
Locus ID:	53618
UniProt ID:	Q9WTS2
Cytogenetics:	12 C3
MW:	67 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]