

Product datasheet for MR229769

Fut8 (NM_001252615) Mouse Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Fut8 (NM_001252615) 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:	>MR229769 representing NM_001252615 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCCCGCATCGCC

ATGACAGATCTACTACCTCAGTCAAACAGATGGAGCAGGGGATTGGCGTGAAAAAGAGGCCAAAGATC
TGACAGAGCTGGTCCAGCGGAGAATAACATATCTCCAGAATCCTAAGGACTGCAGCAAAGCCAGGAAGCT
GGTGTGAACATCAATAAAGGCTGTGGCTATGGTTGTCAACTCCATCACGTGGTCTACTGTTTCATGATT
GCTTATGGCACCCAGCGAACACTCATCTTGAATCTCAGAATTGGCGCTATGCTACTGGTGGATGGGAGA
CTGTGTTTAGACCTGTAAGTGAGACATGTACAGACAGATCTGGCCTCTCCACTGGACACTGGTCAGGTGA
AGTAAATGACAAAAACATTCAAGTGGTCGAGCTCCCCATTGTAGACAGCCTCCATCCTCGGCCTCCTTAC
TTACCACTGGCTGTTCCAGAAGACCTTGCAGACCGACTCCTAAGAGTCCATGGTGACCCTGCAGTGTGGT
GGGTGTCCAGTTTGTCAAATACTTGATTGCTCCACAACCTTGGCTGGAAAAGGAAATAGAAGAAGCCAC
CAAGAAGCTTGGCTTCAAACATCCAGTTATTGGAGTCCATGTACAGCGCACAGACAAAGTGGGAACAGAA
GCAGCCTTCCACCCATCGAGGAGTACATGGTACACGTTGAAGAACATTTTCAGCTTCTCGCACGCAGAA
TGCAAGTGGATAAAAAAGAGTATATCTGGCTACTGATGATCCTACTTTGTTAAAGGAGGCAAAGACAAA
GTAATCCAATTATGAATTTATTAGTGATAACTCTATTTCTTGGTCAGCTGGACTACACAATCGGTACACA
GAAAATCACTTCGGGGTGTGATCCTGGATATACACTTCTCTCACAGGCTGACTTTCTAGTGTGTAAT
TTTCATCCAGGTCTGTGGGTTGCTTATGAAATCATGCAAACCTGCATCCTGATGCCTCTGCGAACTT
CCATTCTTTGGATGACATCTACTATTTTGGAGGCCAAAATGCCCAATCAGATTGCTGTTTATCCTCAC
AAACCTCGAAGTGAAGAGGAAAATCCAATGGAACCTGGAGATATCATTGGTGTGGCTGGAAACATTGGG
ATGGTTATTCTAAAGGTATCAACAGAAAACCTTGGAAAAACAGGCTTATATCCCTCTACAAAGTCCGAGA
GAAGATAGAAACAGTCAAGTATCCACATATCTGAAGCTGAAAA

ACGCGTACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
ACAAGGATGACGACGATAAGGTTTAA



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Protein Sequence: >MR229769 representing NM_001252615
Red=Cloning site Green=Tags(s)

MTDLYYLSQTDGAGDWREKEAKDLTELVQRRITYLQNPKDCSKARKLVCNINKGCGYGQCQLHHVVYCFMI
 AYTQRTLILESQNWRYATGGWETVFRPVSETCTDRSGLSTGHWSGEVNDKNIQVVELPIVDSLHPRPPY
 LPLAVPEDLADRLLRVHGDPAVWWVSQFVKYLIRPQPWLEKEIEEATKKLGFKHPVIGVHVRRTDKVGTE
 AAFHPIEEYMHVVEEHFQLLARRMQVDKKRVYLATDDPTLLKEAKTKYSNYEFISDNSISWSAGLHNRYT
 ENSLRGVILDIHFLSQADFLVCTFSSQVCRVAYEIMQTLHPDASANFHSLDDIYYFGGQNAHNQIAVYYPH
 KPRTEEEIPMEPGDIIGVAGNHWDGYSKGINRKLGKTGLYPSYKVREKIETVKYPTYPEAEK

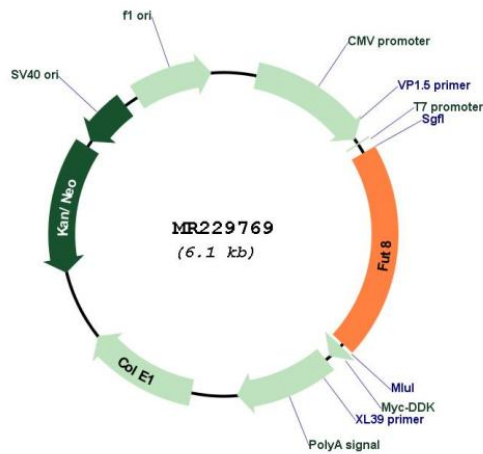
TRTRPLEQKLISEEDLAANDILDYKDDDDKV

Restriction Sites: SgfI-MluI

Cloning Scheme:



Plasmid Map:



ACCN: NM_001252615

ORF Size:	1236 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_001252615.1 , NP_001239544.1
RefSeq Size:	2086 bp
RefSeq ORF:	1239 bp
Locus ID:	53618
UniProt ID:	Q9WTS2
Cytogenetics:	12 C3
MW:	47.8 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]