

Product datasheet for **RN208340**

Fut1 (NM_031236) Rat Untagged Clone

Product data:

Product Type: Expression Plasmids
Product Name: Fut1 (NM_031236) Rat Untagged Clone
Tag: Tag Free
Symbol: Fut1
Synonyms: Futa
Vector: pCMV6-Entry (PS100001)
E. coli Selection: Kanamycin (25 ug/mL)
Cell Selection: Neomycin
Fully Sequenced ORF: >RN208340 representing NM_031236
Red=Cloning site **Blue**=ORF **Orange**=Stop codon

TTTTGTAATACGACTCACTATAGGGCGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCC**GCGATCGCC**

ATGTGGACTCCCAGCCGGAAGCAGCTCTGCCTGGCATTCTGTCCGGTCTGTGTGCTCTCTGCCGGCTCCT
TCTTCTCCACCTGAATGGAGGAACTTCTTTCAAATGCTCTAACTTTCTGTCTGTGTCCAGACTA
TCACCTGTGAAGTCCCCAGTGGCCATGGTATGCCTACCTTATCCGTGCAACGCATCCAGTGGCTCCCCT
TCCTGTCCCGAGCAGTCCCTTGCTCTCTGGGACTTGGACAATCACCCCGGAGGCAGGTTTGGTAACCAGA
TGGGACAGTATGCCACATTGCTGGCCCTAGCCCAGCTCAATGGCCGCGGGCTTTTCATCCAGCCTGAGAT
GCATACCACCCTGGCCCTGTGTTCCGAATCTCCCTGCCAGTGTGGACCCTGAGGTGGACAGTCTCACG
CCTTGGCAGCACTTAGTCTACATGACTGGATGTCAGAGGAGTACTCCCACCTGGAGGACCCGTTTCTCA
AGCTGTCTGGTTTCCCCTGCTCTTGGACCTTTTCCATCACCTCCGGGAACAGATTCGCCGGGAATTCAC
CCTGCATGACCACCTACGGGAAGACGCACAGCGCCTGTTGAGTGGGCTCCGGATAGGCCCTGCAGGCATC
CGTCCCTCGTACCTATGTGGTGTTACGTGCGTGTGGAGACTATTTGGAGGTGATGCCTAACCGCTGGA
AGGGAGTGGTGGTGACCGAGCTTACCTCCAGAAAGCCATGGACTGGTTCCGGGCCGACAAAAGACCC
CATCTTTGTGGTACCAGCAATGGCATGAGATGGTGTGGGAGAACATTGACACATCCCACGGTGTGTG
GTCTTCGCTGGCAATGGACAGGAGGTACGCCGGGAAGGACTTCGCACTGCTCACCCAGTGAATCACA
CCATCATGACTATTGGGACCTTTGGCTTCTGGGCTGCCTACCTGGCTGGTGGAGACTGTCTACCTTGC
TAACCTCACCTTCCAGATTCAGAGTTTCTGAAGATCTTCAGGCCTAAGGCTGCCTTCTGCCCGAGTGG
GTGGGCATTAACGCAGACTTGTCCCGCTGCAGGCTCAGTTTGACCCCTGGGAGACAGACAGTCTTTTTTA
GACTGGCT**TGA**

ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
ACAAGGATGACGACGATAAGGTTTAA

Restriction Sites: SgfI-MluI



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|-------------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| ACCN: | NM_031236 |
| Insert Size: | 1131 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: | <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: | <u>NM_031236.1</u> , <u>NP_112515.1</u> |
| RefSeq Size: | 2720 bp |
| RefSeq ORF: | 1131 bp |
| Locus ID: | 81919 |
| UniProt ID: | <u>Q10980</u> |
| Cytogenetics: | 1q22 |
| Gene Summary: | catalyzes the formation of H antigen, a precursor of A and B antigens [RGD, Feb 2006] |