

Product datasheet for SC303111

FUT5 (NM_002034) Human Untagged Clone

Product data:

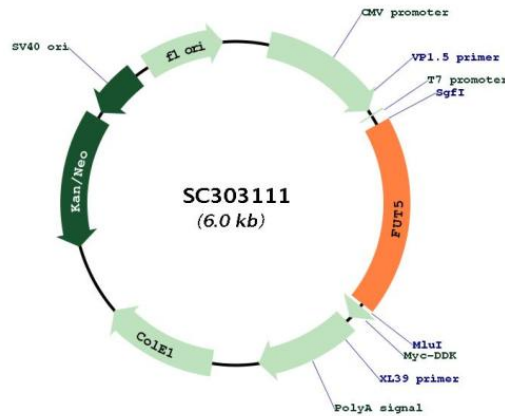
Product Type:	Expression Plasmids
Product Name:	FUT5 (NM_002034) Human Untagged Clone
Tag:	Tag Free
Symbol:	FUT5
Synonyms:	FUC-TV
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
Fully Sequenced ORF:	>SC303111 representing NM_002034. Blue=Insert sequence Red=Cloning site Green=Tag(s)

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GCTCGTTTGTAGTGAACCGTCAGAATTTTGTAAACGACTCACTATAGGGCGCCGGGAATTCGTCGACTG
GATCCGGTACCGAGGAGATCTGCCGCCGCGATCGCC
ATGGATCCCTGGGCCAGCCAAGCCACAGTGGCTGTGGCCCGCTGTCTGGCCGGGCTGCTGTTTCAG
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CGCTGCTCAGAGATGGTCCCGCGCGCCGACTGCAACATCACTGCCGACTCCAGTGTGTACCCACAG
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TGGGCACTGGCTTTCTGCAAGGCCTGCTGGAAGCTGCAGCAGGAATCTAGGTACCAGACGGTGGCAGC
ATAGCGGCTTGGTTCACCTGA
ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAATGATATCCTGGAT
TACAAGGATGACGACGATAAGGTTTAAACGGCCGGC
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Restriction Sites: SgfI-MluI



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Plasmid Map:


ACCN: NM_002034

Insert Size: 1125 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).

OTI Annotation: This TrueClone is provided through our Custom Cloning Process that includes sub-cloning into OriGene's pCMV6 vector and full sequencing to provide a non-variant match to the expected reference without frameshifts, and is delivered as lyophilized plasmid DNA.

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_002034.2](#)

RefSeq Size: 1988 bp

RefSeq ORF: 1125 bp

Locus ID: 2527

UniProt ID: [Q11128](#)

Cytogenetics:	19p13.3
Protein Families:	Transmembrane
Protein Pathways:	Glycosphingolipid biosynthesis - lacto and neolacto series, Metabolic pathways
MW:	43 kDa
Gene Summary:	May catalyze alpha-1,3 glycosidic linkages involved in the expression of VIM-2, Lewis X/SSEA-1 and sialyl Lewis X antigens.[UniProtKB/Swiss-Prot Function]