

Product datasheet for **SC303110**

FUT4 (NM_002033) Human Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	FUT4 (NM_002033) Human Untagged Clone
Tag:	Tag Free
Symbol:	FUT4
Synonyms:	CD15; ELFT; FCT3A; FUC-TIV; FUTIV; LeX; SSEA-1
Mammalian Cell Selection:	Neomycin
Vector:	<u>PCMV6-Neo</u>
E. coli Selection:	Ampicillin (100 ug/mL)



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Fully Sequenced ORF: >OriGene sequence for NM_002033 edited
 ATGAGGCGCTTGTGGGGCGCGGCCCGGAAGCCCTCGGGCGCGGGCTGGGAGAAGGAGTGG
 GCGGAGGCGCCGAGGAGGCTCCCGGGGCTGGTCGGGCGGGCTGGGCCCGGGCGCAGT
 GGAAGAAAGGGACGGGCGGTGCCCGTTGGGCGTCTGGCCAGCTCACCTTGCCCTGGCG
 GCTCGCCCCGCCCGCACTTGGGAGGAGCAGGGCAGGGCCCGCGCCTTTCATTCTGGG
 ACCGCCCTTCCATTCCCGGGCCAGCGCGAGCGGCAGCGACGGCTGGAGCCGAGCTA
 CAGCATGAGAGCCGGTGCCGCTCTCCACGCTGCGGACGCGTGGCGAGCGGAGGCAGCG
 CTGCCTGTTTCGCCCATGGGGGACCGTGGGGCTCGCCGACGGCGGCGGGCGGGCGG
 CGCGGGTGGCGCGAGGCGGGGCTGCCATGGACCGTCTGTGTGCTGGCGGCCCGGGC
 TTGACGTGTACGGCGCTGATCACCTACGCTTGCTGGGGCAGCTGCCGCCGCTGCCCTGG
 GCGTCGCCAACCCGTCGCGACCGGTGGGCGTGTGTGTGGTGGGAGCCCTTCGGGGG
 CGCGATAGCGCCCGAGGCGCCCTGACTGCCGGTGCCTTCAACATCAGCGGCTGC
 CGCTGCTCACCGACCGCGCTCTACGGAGAGGCTCAGGCCGTGCTTTCCACCACCGC
 GACCTCGTGAAGGGGCCCCGACTGGCCCCGCCCTGGGGCATCCAGGCGCACACTGCC
 GAGGAGTGGATCTGCGGTGTTGGACTACGAGAGGCAGCGGCGGCGGAGAAGCCCTG
 GCGACCTCCAGCCCAGGCCCGGGCCAGCGCTGGGTTTGATGAACTTCGAGTCGCC
 TCGCACTCCCCGGGGCTGCGAAGCTGGCAAGTAACTCTTCAACTGGACGCTCTCTAC
 CGGGCGGACTCGGACGTCTTGTGCCTTATGGCTACCTTACCCAGAAGCCACCCCGGC
 GACCCGCCCTCAGGCCTGGCCCCCCTGTCCAGGAAACAGGGGCTGGTGGCATGGGTG
 GTGAGCCACTGGGACGAGCGCCAGGCGGGTCCGCTACTACCACCAACTGAGCCAACT
 GTGACCGTGGACGTGTTTCGGCCGGGCGGGCGGGGAGCCGGTCCCGAAATGGGGTC
 GTGCACACAGTGGCCCGCTACAAGTCTACCTGGCTTTCGAGAAGTTCGAGCACCTGGAT
 TATATACCGAGAAGCTCTGGCGCAACGCTTGTGCTCGCTGGGGCGGTGCCGGTGGTGTG
 GGCCAGACCGTCCAACTACGAGCGCTTGTGCCCGCGCGCCTTTCATCCACGTGAC
 GACTTCCCAAGTGCCTCCTCCCTGGCCTCGTACCTGCTTTTCTCGACCGCAACCCCGG
 GTCTATCGCCGCTACTTCCACTGGCGCGGAGCTACGCTGTCCACATCACCTCCTTCTGG
 GACGAGCCTTGGTCCGGGTGTGCCAGGCTGTACAGAGGCTGGGGACCGGCCCAAGAGC
 ATACGGAACTTGGCCAGCTGGTTCGAGCGGTGA

Restriction Sites: Please inquire

ACCN: NM_002033

Insert Size: 1600 bp

OTI Disclaimer: Due to the inherent nature of this plasmid, standard methods to replicate additional amounts of DNA in E. coli are highly likely to result in mutations and/or rearrangements. Therefore, OriGene does not guarantee the capability to replicate this plasmid DNA. Additional amounts of DNA can be purchased from OriGene with batch-specific, full-sequence verification at a reduced cost. Please contact our customer care team at custsupport@origene.com or by calling 301.340.3188 option 3 for pricing and delivery.

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 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:	<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_002033.2</u> , <u>NP_002024.1</u>
RefSeq Size:	5937 bp
RefSeq ORF:	1593 bp
Locus ID:	2526
UniProt ID:	<u>P22083</u>
Cytogenetics:	11q21
Protein Families:	Transmembrane
Protein Pathways:	Glycosphingolipid biosynthesis - lacto and neolacto series, Metabolic pathways
Gene Summary:	The product of this gene transfers fucose to N-acetyllactosamine polysaccharides to generate fucosylated carbohydrate structures. It catalyzes the synthesis of the non-sialylated antigen, Lewis x (CD15). [provided by RefSeq, Jan 2009]