

Product datasheet for SC106120

FUT9 (AL833558) Human Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	FUT9 (AL833558) Human Untagged Clone
Tag:	Tag Free
Symbol:	FUT9
Synonyms:	Fuc-TIX
Mammalian Cell Selection:	None
Vector:	<u>pCMV6-XL4</u>
E. coli Selection:	Ampicillin (100 ug/mL)
Fully Sequenced ORF:	>NCBI ORF sequence for AL833558, the custom clone sequence may differ by one or more nucleotides

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TTGGAGGTAAATATTAAGAATAGGAACTATGCCTCTGATATTTTTTGTGCAGCCTATTTTTAACT
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AAAGCATGCTTCCTAGGTACCTGACCTAGAATCACCAGAAGTGTTAACAATACCGATTTCTGGGCTTTG
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 AAATAAAAGAATTCAATTTAAATGAAAAAAAAAAAAAAAAAAAA

5' Read Nucleotide Sequence:

>OriGene 5' read for AL833558 unedited
 ATTTGTATACGACTCACTATAGGCGCCGCGAATTCGCACGAGGGGTGGGTTTCAGNAAAT
 AAAATAATTGTTAGCCAGCCTGTGATTAAGGCTACCATAATTGCATAATAAATAGCTTTG
 ACGTGAATAATCTCAGTTGTTCAAGGTACAAAATTTAAAGCTGTACTGTGTTAGAAATAAA
 AAAGTAGGCTCAAGGAAAATTTCTATTTTCTATATGAAAAAGAGAATGATATTCAAAAT
 AGTATTTTTAAGTAGTTTCTAATTGTGTTCCCTTAAAGAGTATTAGAAATGTCTGTTATG
 TCAGTAACATTAGAAAACCTTCAAAAACCTGATTTATTTTTCTGAGTTCTCTGGAAACCAA
 CAATTTTGAATTAGTTGTGTAAGTAAAGTAAAGTTAAGTTATAGCTTGCTGGAATTTTATT
 GTGGAAAACAAATATAGATTTTATCTGAAAAATTTAAGGGCCAATTCTACAGAAAGTTA
 TGCTAACATGCTAACTTTCCACACATGGCTGCATTCCATTTTGATTAATGAGGGTTTCAGG
 AAATAGAAAGGCAGTCTCTGCAGAAGCAGTATCCAAAGGCTAAATTAACAACCCAGGACT
 ACCACTCATTATGTGAGAAATATGGGCCAGAGTTACAATATCACATCTCCAGTCTCAGAT
 TGGCCTCATTAGCCACCTTCAGTTCCTTAAATGAGATAATCCTGAAGATGCCATCCTTGT
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 CTGNTATGAGATCAAGCTTTTCACTTACTGNNNTTCTGCCTCAAGAGTCCTTAAGCAAT
 GAAGATATCTGANTGTCTATGTAACCTGGAAAGTAGTCTACTTTTTAGATANAGATATCTA
 TCTA

Restriction Sites:

NotI-NotI

ACCN:	AL833558
Insert Size:	4500 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:	AL833558.1
RefSeq Size:	7463 bp
RefSeq ORF:	7463 bp
Locus ID:	10690
Cytogenetics:	6q16.1
Protein Families:	Transmembrane
Protein Pathways:	Glycosphingolipid biosynthesis - globo series, Glycosphingolipid biosynthesis - lacto and neolacto series, Metabolic pathways
Gene Summary:	The protein encoded by this gene belongs to the glycosyltransferase family. It is localized to the golgi, and catalyzes the last step in the biosynthesis of Lewis X (LeX) antigen, the addition of a fucose to precursor polysaccharides. This protein is one of the few fucosyltransferases that synthesizes the LeX oligosaccharide (CD15) expressed in the organ buds progressing in mesenchyma during embryogenesis. It is also responsible for the expression of CD15 in mature granulocytes. A common haplotype of this gene has also been associated with susceptibility to placental malaria infection. [provided by RefSeq, Nov 2011]