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Product datasheet for SC314072

FUT8 (NM_178156) Human Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	FUT8 (NM_178156) Human Untagged Clone
Tag:	Tag Free
Symbol:	FUT8
Synonyms:	CDGF; CDGF1
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)

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Fully Sequenced ORF:

>SC314072 representing NM_178156.
Blue=Insert sequence Red=Cloning site Green=Tag(s)

GCTCGTTTAGTGAACCGTCAGAATTTTGTAATACGACTCACTATAGGGCGGCCGGGAATTCGTCGACTG
GATCCGGTACCGAGGAGATCTGCCGCCGCGATCGCC
ATGCGGCCATGGACTGGTTCCTGGCGTTGGATTATGCTCATTCTTTTTGCCTGGGGGACCTTGCTGTTT
TATATAGGTGGTCACTTGGTACGAGATAATGACCATCCTGATCACTCTAGCCGAGAACTGTCCAAGATT
CTGGCAAAGCTTGAACGCTTAAAACAACAGAATGAAGACTTGAGGCGAATGGCCGAATCTCTCCGGATA
CCAGAAGGCCCTATTGATCAGGGGCCAGCTATAGGAAGAGTACGCGTTTTAGAAGAGCAGCTTGTTAAG
GCCAAAGAACAGATTGAAAATTACAAGAAACAGACCAGAAATGGTCTGGGGAAGGATCATGAAATCCTG
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AACTTAGAAGGAAATGAACTCCAAAGACATGCAGATGAATTTCTTTTGGATTTAGGACATCATGAAAGG
TCTATAATGACGGATCTATACTACCTCAGTCAGACAGATGGAGCAGGTGATTGGCGGGAAAAAGAGGCC
AAAGATCTGACAGAACTGGTTCAGCGGAGAATAACATATCTTCAGAATCCCAAGGACTGCAGCAAAGCC
AAAAAGCTGGTGTGTAATATCAACAAAGGCTGTGGCTATGGCTGTCAGCTCCATCATGTGGTCTACTGC
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TGGTCAGGTGAAGTGAAGGACAAAAATGTTCAAGTGGTCGAGCTTCCCATTGTAGACAGTCTTCATCCC
CGTCCTCCATATTTACCCTTGGCTGTACCAGAAGACCTCGCAGATCGACTTGTACGAGTGCATGGTGAC
CCTGCAGTGTGGTGGGTGTCTCAGTTTGTCAAATACTTGATCCGCCCACAGCCTTGGCTAGAAAAAGAA
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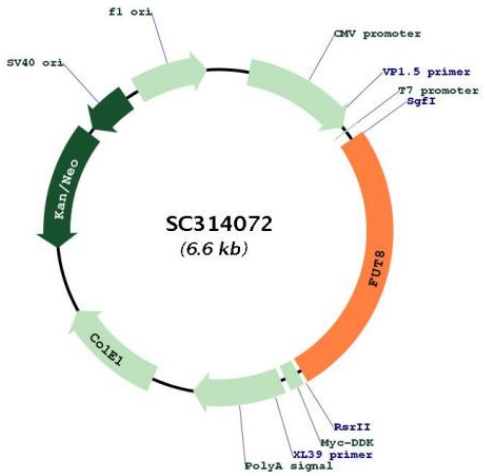
GACTTCCTAGTGTGTACTTTTTCATCCCAGGTCTGTCGAGTTGCTTATGAAATTATGCAAACACTACAT
CCTGATGCCTCTGCAAACTTCCATTCTTTAGATGACATCTACTATTTTGGGGGCCAGAATGCCCACAAT
CAAATTGCCATTTATGCTCACCAACCCCGAACTGCAGATGAAATTCCCATGGAACCTGGAGATATCATT
GGTGTGGCTGGAAATCATTGGGATGGCTATTCTAAAGGTGTCAACAGGAAATTGGGAAGGACGGGCCTA
TATCCCTCCTACAAAGTTCGAGAGAAGATAGAAACGGTCAAGTACCCCACATATCCTGAGGCTGAGAAA
TAA
AGCGGACCGACGCGTACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGAT
ATCCTGGATTACAAGGATGACGACGATAAGGTTTAA

Restriction Sites: SgfI-RsrII

Plasmid Map:



ACCN:	NM_178156
Insert Size:	1728 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_178156.2
RefSeq Size:	5081 bp
RefSeq ORF:	1728 bp
Locus ID:	2530
UniProt ID:	Q9BYC5
Cytogenetics:	14q23.3

Protein Families:	Transmembrane
Protein Pathways:	Keratan sulfate biosynthesis, Metabolic pathways, N-Glycan biosynthesis
MW:	66.5 kDa
Gene Summary:	This gene encodes an enzyme belonging to the family of fucosyltransferases. The product of this gene catalyzes the transfer of fucose from GDP-fucose to N-linked type complex glycopeptides. This enzyme is distinct from other fucosyltransferases which catalyze alpha1-2, alpha1-3, and alpha1-4 fucose addition. The expression of this gene may contribute to the malignancy of cancer cells and to their invasive and metastatic capabilities. Alternative splicing results in multiple transcript variants. [provided by RefSeq, May 2011] Transcript Variant: This variant (3, also known as B5) differs in the 5' UTR compared to variant 1. Variants 1 and 3 encode the same isoform (a). Sequence Note: This RefSeq record was created from transcript and genomic sequence data to make the sequence consistent with the reference genome assembly. The genomic coordinates used for the transcript record were based on transcript alignments.