

Product datasheet for **SC320645**

POFUT1 (NM_172236) Human Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	POFUT1 (NM_172236) Human Untagged Clone
Tag:	Tag Free
Symbol:	POFUT1
Synonyms:	DDD2; FUT12; O-Fuc-T; O-FucT-1; O-FUT; OFUCT1
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-AC (PS100020)
E. coli Selection:	Ampicillin (100 ug/mL)

Fully Sequenced ORF: >OriGene sequence for NM_172236.1
 CTTCCCTCCCCGACTGTGCGCCGCGCTGGCTCGGGTCCCGGGCCGACATGGGCGCCG
 CGCGTGGGCACGGCCGCTGAGCGTGTCTTCTGCTGCTGCTTCTGCCGCTCCCGGGAT
 GCCTGCGGGCTCCTGGGACCCGGCCGGTTACCTGCTCTACTGCCCTGCATGGGGCGCTT
 TGGGAACCAGGCCGATCACTTCTGGGCTCTCTGGCATTGCAAAGCTGTAAACCGTAC
 CTTGGCTGTCCCTCCTTGGATTGAGTACCAGCATCACAAGCTCCTTTCACCAACCTCCA
 TGTGTCTACCAGAAGTACTTCAAGCTGGAGCCCTCCAGGCTTACCATCGGGTCATCAG
 CTTGGAGATTTCATGGAGAAGCTGGCACCCACCCACTGGCCCCCTGAGAAGCGGGTGGC
 AACTGCTTTGAGGTGGCAGCCAGCGAAGCCAGATAAGAAGACGTGCCCATGAAGGA
 AGGAAACCCCTTTGGCCATTCTGGGATCAGTTTCATGTGAGTTTCAACAAGTCGGAGCT
 TTTTACAGGCATTTCCTTCACTGCTTCTACAGAGAACAATGGAGCCAGAGGCGTGAGAA
 TCACTCCTGTGTTACCTTACTCTTCCCAAGGTGAAACTGGAAGCAGCTTCTAGAGAACAG
 CTTCAGGTGCAGACCGAGAAATGACGTCATCCTGATAATTATTGGACGTGTTTATTAATT
 GCACCCATTAGCCCTGTTTTAAAAATATAGGTTAGCAGGACGTGGGCACAGGCCGT
 GAAACATTTATAGGGCGCTGTACAGTGTGAGACATAGTAATCAGAGGCCAATGGTGATG
 TGTGAAAATGAGGATGACCAGCTCTGGTTTTCTAGGAGCTATGGTCTCATAATGACAATA
 ATCAGCATAGTGTACTTGCCTTAATGTTATAGCATGGCAGGAAAGACCATGGGCTTAGA
 AGGCAGACATTGGTTAGGAGGTGCAGGGAACATACTAATTCATGTGCGGTCAAAGCACTT
 GGCATTTAATAGGGCAAAGGTAACAGATGTAGAGAAATGAGTCTCATGCCTGTAATCCC
 AGCACTTTGGGAGGCCAAGGTGGGTGGATCACTTGAAGCCTAAGAGATCAAGGCTGCAGTG
 AGCCATGATGGTACCCCTGCACTCCAGCCAGGTTACAGAGCAAGGGCCTGTCTCAGCAA
 AACAAAACAAGCACAGGCCAAGGAGTGAGATAGCCAGCGCTGATGGTATCTGCCTCGTAG
 TGCATGAAGTGCATGTACATACTAAGCAGCCAGCCAGTGTGGCTGTCAGTGTATTAC
 TCACATGCTTTATTTTAAAGACTTTGAGATAGTTCATGAAGTGGGTATTATTATCAA
 TTTCCATTTTATAGGTGAGGAACTGAGCCAGTGAAGTAAATAACTTCCCAAGGTCAT
 TGAGCTGTTGAGTGGACAGCTCAGGTCTGTTTGTAAATCTTAATAAATAACAACAGCTA
 AGATTCAAAAAAAAAAAAAAAAAAAA



[View online »](#)

Restriction Sites:	Please inquire
ACCN:	NM_172236
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:	<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:	NM_172236.1 , NP_758436.1
RefSeq Size:	1524 bp
RefSeq ORF:	585 bp
Locus ID:	23509
UniProt ID:	Q9H488
Cytogenetics:	20q11.21
Protein Families:	Druggable Genome, Transcription Factors
Gene Summary:	<p>This gene encodes a member of the glycosyltransferase O-Fuc family. This enzyme adds O-fucose through an O-glycosidic linkage to conserved serine or threonine residues in the epidermal growth factor-like repeats of a number of cell surface and secreted proteins. O-fucose glycans are involved in ligand-induced receptor signaling. Alternative splicing of this gene results in two transcript variants encoding different isoforms. [provided by RefSeq, Jul 2008]</p> <p>Transcript Variant: This variant (2) uses an alternate exon in the 3' coding region and 3' UTR, compared to variant 1. Isoform 2 has a shorter and distinct C-terminus, compared to isoform 1.</p>