

Product datasheet for SC123799

POFUT2 (BC000626) Human Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	POFUT2 (BC000626) Human Untagged Clone
Tag:	Tag Free
Symbol:	POFUT2
Synonyms:	C21orf80; FUT13
Mammalian Cell Selection:	None
Vector:	<u>pCMV6-XL5</u>
E. coli Selection:	Ampicillin (100 ug/mL)

Fully Sequenced ORF: >OriGene sequence for BC000626 edited
GGCACGAGGGAAGCGTCATTTTAAATGTCTGCAGAGCGACCAGGGGCTCATGAATCTCT
CCGTTGCCCTCCGCGCAGCAGGAGGCTGCCTGTGTGTTTCTCTGGGATGCGTGCAAGG
CAGACCTGGTGTGCTGCAAAGGAAAGGGCCTGAGGCCTCAGGGAGCCCCGTGGAGGGATGAC
AGTTCAGGCCCTACTGCTGGCACGTGAGCACTGGGAAGTTTTTCAGTGACGTCTCTGG
GGCACTCAGTGGATTGTCTGTAGGAACTTGCAGCTCTGCTCCTCACACCAGGCCCGGCT
GGCCACCCACCCTCGCCCCACTGGCCACCCTCCCTCGCCCCGACTGCCCGCCCCACC
CTCACCCCGACTGCCCGCCCTCGCCCGGCTGGCCGTCCCTGCCCTCGCCCCGGCTGGCA
GGTGCACATGGGGCTCCAGGTCTGCCATTCGCTATTGAGAACTAGAAATGAGGAAGGAC
AGTTACGCTAACTCCAAAAGGCTGTCTAGGATGAGCTGCTTATCAGGGAGCTCCTTGTA
CCCATTTTACAGAAATCATTTTTAGGTCTTTGTGCCACCACCACGAGGGGCATCTGCAAA
GAGGGCAACGCTAGACACAGAATCCGTGGAAGGTGACAGAGTGCCTCAGGGGTCCTCAGG
GTCAGGGAGCCCCCTCACCCCTCTTGGCCGTTACCCCTTGTGACTTTCACCATGGTGT
CGTGTGACCTCAGTCAGGTTGGTGGGGCTGAGTCCTCACTGAGCAGCCACTTTCACA
TCTGCTAGAGGAACAGTGACATGGACACCTGTGACAGAGAGAGGACAGTTAGGAGGGACA
GACAGCTTTCCTTTCGGAGCCTGGCTAGTCTAGGACATCACCTTGCTGTGTCTTCTCAA
GCTTTTAAATGACCCTGAACGTGTGACAGGGTCTATGGTGTTACTCAAAGCTGTGCA
GGGTAATGATGACATATTTATCTTTTTCCATTTGTTCTAGAAACAGTGCCTTTTTTCAT
CAGTTGCATTTTCCAGGCTGAGAGCTGTATAAACATTTTGGACTGTGACCATGTACCTT
CCTTTTTAAGAAAAATAAACTGCTTTATGGAAGTTGTAAGAAAAAAGAAAAAAGAAAAA



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5' Read Nucleotide Sequence:	>OriGene 5' read for BC000626 unedited TGTCAGAAATTGTA CTTCACTCATATAGGCGGCCAGCGAATTCGCACGAGGGNAAGCGTCA TTTTAAATGTCTGCAGAGCGACCAGGGGCTCATGAATCTCTCCGTTGCCCTCCGCGCAG CAGGAGGCTGCCTGTGTGTTTCTCCTGGGATGCGTGCAAGGCAGACCTGGTGTGCAAA GGAAAGGGCCTGAGGCCCTCAGGGAGCCCGTGGAGGGATGACAGTTCAGGCCCTACTGCT GGCACGTCAGAGCACTGGGAAGTTTTTCAGTGACGTCTCTGGGGCACTCAGTGGATTGTC TGTAGGAAACTTGCAGCTCTGCTCCTCACACCAGGCCCGGCTGGCCACCCACCCTCGCCC CCTAGGCCACCCCTCCCTCGCCCCGACTGCCCCGCCACCCTCACCCGACTGCCCCG CCCTCGCCCCGGCTGGCCGTCCCTGCCCTCGCCCCGGCTGGCAGGTGCACATGGGGCTCC AGGTCTGCCATTGCTATTGAGAACTAGAAATGAGGAAGGACAGTTACGTAACCTCCAAA AGGCTGTCTAGGATGAGCTGCTTTATCAGGGAGCTCCTTGTACCCATTTTACAGAAATCA TTTTTAGTCTTTGTGCCACCACCACGAGGGGCATCTGCAAAGAGGGCAACGCTAGACAC AGAATCCGTGGAAGGTGCAGCAGTGCCTCAGGGGTCTCAGGGTCAGGGAGCCCCCTCA CCCTCTTGGCCGTTACCCTTTGTGACTTTCCACCATGGTGTCTGTGACCTCAGTCAG GTTGGTGGGGCTGAGTCTCACTGAGCAGCCACTTTCCACATCTGCTAGAGGAACAGTG ACATGGACACCTGTGACAGAGAGAGGACAGTTAGGAGGGACAGACAGCTTCTCTTTNCG AGCCTGNCTAGTNTAGACATCACTT
Restriction Sites:	Please inquire
ACCN:	BC000626
Insert Size:	1139 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:	BC000626.1 , AAH00626.1
RefSeq Size:	1139 bp
Locus ID:	23275
Cytogenetics:	21q22.3
Gene Summary:	Fucose is typically found as a terminal modification of branched chain glycoconjugates, but it also exists in direct O-linkage to serine or threonine residues within cystine knot motifs in epidermal growth factor (EGF; MIM 131530)-like repeats or thrombospondin (THBS; see MIM 188060) type-1 repeats. POFUT2 is an O-fucosyltransferase that use THBS type-1 repeats as substrates (Luo et al., 2006 [PubMed 16464857]).[supplied by OMIM, Mar 2008]