

Product datasheet for **RC206082**

FUT11 (NM_173540) Human Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	FUT11 (NM_173540) Human Tagged ORF Clone
Tag:	Myc-DDK
Symbol:	FUT11
Synonyms:	FUCTXI
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)



[View online »](#)

ORF Nucleotide Sequence:

>RC206082 ORF sequence
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGATCGC**

ATGGCGGCCGCCCATAGGGTGGTGTGGTCTCTAGGGGTGCTCAGTGTCTGTGCAGCCAGCGGCC
 ATGGGTCCGTAGCGAGAGGGAGGCCGGCGGGAGGCGGAGTGGCGGAACCGTGGGATGGCGCGT
 CCGGCCGCCCGCGCGCTGGGCGCAGTGGGGTGACGCGCAGCTCTGGGACGCCCGCGGCCAGGGAGGGAG
 GAGGCGGGGACTTGCCGGTACTGCTGTGGTGGAGCCAGGGCTATTCCCCACTTCCGGGAGACTCGG
 AGCGCATCGAGTGTGCGCGCGCGCGTGCCTGGCGTCCCGGAACCGCGAGCGTGAGGGACTCGCGGAC
 GCGCGCGTCTCTTCTACGGCACAGACTTCCGCGCGTGGCGCGCCCGCTGCCGCGCTGGCGACACAG
 AGCTGGGCGTCTCCACGAGGAGTCGCCCTCAACAATTCTTGCTGAGCCACGGCCCGGGCATCCGCC
 TCTTCAATCTTACCTCCACCTTCAGTCGCCACTCGGATTACCCGCTGTCGCTGCAGTGGTGGCCGGGAC
 CGCTATCTGCGCGCCCGGTGCCTCCGCCATGGAACGCGCGGAGTGGCGCCCGCGCGGTACGCGCCG
 CTGCTCTATCTGAGTCACACTGCGACGTGCCAGCGGACCGGACCGCTACGTGCGCGAGCTCATGCGCC
 ACATCCCGGTAGACTCCTACGGAAATGCCTGCAGAATCGGGAGCTGCCTACCGCGCGGTACAGGACAC
 AGCCACGCCACACCGAGGATCCAGAGCTCTTGGCTTTCTTGTCCCGCTATAAGTTCCACTTGGCCCTG
 GAAATGCCATCTGTAACGACTACATGACAGAAAACTGTGGCGTCCCATGCACCTGGGCGCTGTGCCCG
 TGTACCGCGTCTCCCTCTGTGAGGGACTGGATGCCGAACAATCACTCCGTCATCTGATTGATGATTT
 TGAGTCTCCTCAGAAGCTGGCAGAGTTTATTGACTTTCTGGACAAGAATGATGAGGAGTATATGAAATAC
 CTGGCATACAAGCAACCTGGGGGCATACCAACCAATTTCTTCTGGATAGTCTGAAGCATCGGGAGTGGG
 GAGTGAATGATCCTTTGCTGCCTAACTACCTCAACGGCTTCGAGTGTTCGCTGTGACTACGAACTGGC
 TCGGCTGGATGCCGAGAAAGCCACGCGCGCTCTCCCGGGACAGCCCGTCTTTGAGCCCCACATTGCC
 CAGCCCTCACACATGGACTGCCAGTGGCCACACCTGGCTTTGGCAATGTGGAAGAGATTCTGAGAATG
 ACAGTTGGAAGAGATGTGGCTGCAAGATTATTGGCAAGGTCTGGACCAGGGGGAAGCTCTCACTGCCAT
 GATCCACAACAATGAAACAGAGCAGACGAAATTTGGGATTACCTACATGAAATCTTCATGAAGAGGCAA
 CATCTC

ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCTGGATT
 ACAAGGATGACGACGATAAGGTTTAA

Protein Sequence:

>RC206082 protein sequence
 Red=Cloning site Green=Tags(s)

MAAGPIRVVLVLLGVLSVCAASGHGSAEREAGGEAEWAEPWDGAVFRPPAALGAVGVTRSSGTPRPGRE
 EAGDLPVLLWSPGLFPHFPGDSERIECARGACVASRNRRLRDSRTRALLFYGTDFRASAAPLPRLAHQ
 SWALLHEESPLNNFLLSHGPGIRLFNLSTFSRHSYPLSLQWLPGTAYLRRPVPPMERAEWRRRGYAP
 LLYLQSHCDVPADRDYVRELMRHIPVDSYGKCLQNRELPTARLQDTATATTEDPELLAFLSRYKFHLAL
 ENAICNDYMEKLWRPMLHGAVPVYRGSPSVRDWMPNNHSVILIDDFESPQKLAEIFDLDKNDDEEYMKY
 LAYKQPGGITNQFLDLSKHREWGVDPLLPNYLNGFECFVCDYELARLDAEKAHAASPGDSPVFEPHIA
 QPSHMDCPVPTPGFGNVEEIPENDSWKEMWLQDYWQGLDQGEALTAMIHNNETEQTKFWDYLHEIFMKRQ
 HL

TRTRPLE**QKL**ISEEDLAANDILDYKDDDDKV

Chromatograms:

https://cdn.origene.com/chromatograms/mk6320_h08.zip

Restriction Sites:

SgfI-MluI

Cloning Scheme:


ACCN: NM_173540

ORF Size: 1476 bp

OTI Disclaimer: 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 clone was engineered to express the complete ORF with an expression tag. Expression varies depending on the nature of the gene.

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.

Note: Plasmids are not sterile. For experiments where strict sterility is required, filtration with 0.22um filter is required.

RefSeq: [NM_173540.1](#), [NP_775811.1](#)

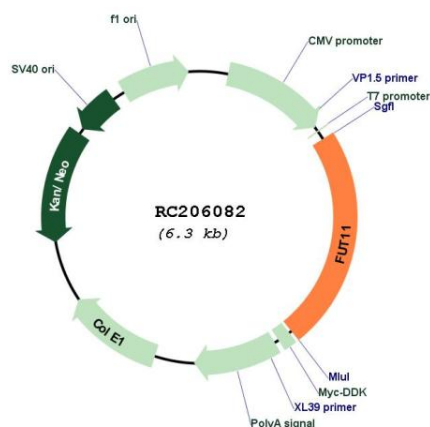
RefSeq Size: 2069 bp

RefSeq ORF: 1479 bp

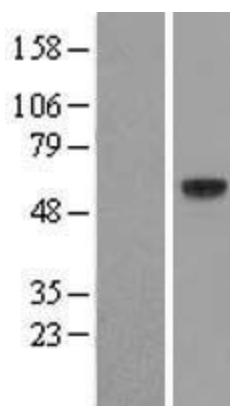
Locus ID: 170384

UniProt ID: Q495W5
Cytogenetics: 10q22.2
MW: 55.8 kDa
Gene Summary: Probable fucosyltransferase.[UniProtKB/Swiss-Prot Function]

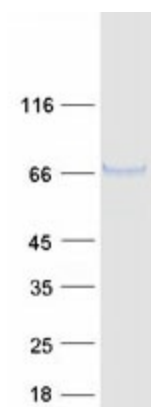
Product images:



Circular map for RC206082



Western blot validation of overexpression lysate (Cat# [LY406332]) using anti-DDK antibody (Cat# [TA50011-100]). Left: Cell lysates from untransfected HEK293T cells; Right: Cell lysates from HEK293T cells transfected with RC206082 using transfection reagent MegaTran 2.0 (Cat# [TT210002]).



Coomassie blue staining of purified FUT11 protein (Cat# [TP306082]). The protein was produced from HEK293T cells transfected with FUT11 cDNA clone (Cat# RC206082) using MegaTran 2.0 (Cat# [TT210002]).