

Human FUT3 ORF

Catalog Number: HG10832-M



Sino Biological Inc.
Biological Solution Specialist

General Information

Gene Bank Ref. ID : NM_000149.3

ORF Size: 1086

Gene Name Synonym:

LE; Les; FT3B; CD174; FucT-III;

MGC131739; FUT3

Source: Human

Description

ORF Description:

ORF Clone of Homo sapiens fucosyltransferase 3 (galactoside 3(4)-L-fucosyltransferase, Lewis blood group) DNA.

Vector :

Commercial available pMD Vector

Sequence Description:

Identical with the Gene Bank Ref. ID sequence except for two point mutations: 202T/C resulting in the amino acid 68Trp substitution by Arg and 314C/T resulting in the amino acid 105Thr substitution by Met.

Shipping

5-10µg Plasmid DNA is shipped on Whatman FTA elute card (Cat. No.: WB120410) at room temperature.

It would take 3-5 days for delivery typically. For bulk orders, additional 1-2 weeks would be needed.

Usage Protocol

1. Remove the marked edge in the center of the spot.
2. Transfer the filter paper to a 1.5ml microfuge tube containing 50-100 µl of sterile H₂O. Ensure the filter is completely immersed in the H₂O by briefly centrifuging the tube for 10 seconds.
3. Transfer the tube to a heating block at 95°C for 15–30 min
4. At the end of the incubation period remove the sample from the block and pulse vortex, or gently tap, the sample approximately 60 times
5. Briefly centrifuge for 30 seconds, to separate the matrix from the elute. The elute now contains the purified DNA

ORF Sequence and Quality Control

Sequence:

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ATGGATCCCCTGGGTGCAGCCAAGCCACAATGGCCATGGCGCCGCTGTCT
GGCCGCACTGCTATTTTCAGTGTCTGGTGGCTGTGTGTTTCTTCTCCTACCTG
CGTGTGTCCCGAGACGATGCCACTGGATCCCCTAGGGCTCCCAGTGGGTC
CTCCCGACAGGACACCACTCCACCCGCCACCCTCCTGATCCTGCTAC
GGACATGGCCTTCCACATCCCTGTGGCTCTGTCCCGCTTTCAGAGATGG
TGCCCGGCACAGCCGACTGCCACATCACTGCCGACCCGAAGGTGTACCCA
CAGGCAGACATGGTCATCGTGCACTGGGATATCATGTCCAACCCTAAG
TCACGCCTCCCACCTTCCCGAGGCCGCAGGGGCAAGCGCTGGATCTGGTT
CAACTTGAGCCACCCCTAACTGCCAGCACCTGGAAGCCCTGGACAGATA
CTTCAATCTACCATGTCTACCGCAGCGACTCCGACATCTTACGCCCTAC
GGCTGGCTGGAGCCGTGGTCCGGCCAGCCTGCCACCCACCGCTCAACCT
CTCGGCCAAGACCGAGCTGGTGGCCTGGGCGGTGTCCAACCTGGAAGCCGG
ACTCAGCCAGGGTGCCTACTACAGAGCCTGCAGGCTCATCTCAAGGTGG
ACGTGTACGGAGCTCCCAAGCCCTGCCAAGGGGACCATGATGGAG
ACGCTGTCCCGTACAAGTTCTACCTGGCCTTCGAGAACTCCTTGCACCC
GACTACATCACCGAGAAGCTGTGGAGGAACGCCCTGGAGGCCTGGGCCGT
GCCCGTGGTGTGGGCCAGCAGAAGCAACTACGAGAGGTTCTGCCAC
CCGACGCCTTCACTCCAGCTGGACGACTTCCAGAGCCCAAGGACCTGGCC
CGGTACCTGCAGGAGCTGACAAAGACCACGCCGCTACCTGAGCTACTTT
CGCTGGCGGAGACGCTGCCGCCTCGCTCCTTCACTGGGCACTGGATTT
CTGCAAGGCCTGCTGGAACTGCAGCAGGAATCCAGGTACCAGACGGTGC
GCAGCATAGCGGCTTGGTTACCTGA
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Quality Control:

The sequencing result is available upon request.