

Product datasheet for RC215440L3

FUT8 (NM_178156) Human Tagged Lenti ORF Clone

Product data:

Product Type: Expression Plasmids

Product Name: FUT8 (NM_178156) Human Tagged Lenti ORF Clone

Tag: Myc-DDK

Symbol: FUT8

Synonyms: CDGF; CDGF1

Mammalian Cell Puromycin

Selection:

Vector: pLenti-C-Myc-DDK-P2A-Puro (PS100092)

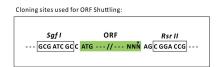
E. coli Selection: Chloramphenicol (34 ug/mL)

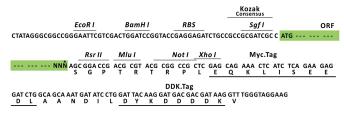
ORF Nucleotide The ORF insert of this clone is exactly the same as(RC215440).

Sequence:

Restriction Sites: Sgfl-Rsrll

Cloning Scheme:





 $[\]ensuremath{^*}$ The last codon before the Stop codon of the ORF.

ACCN: NM_178156

ORF Size: 1725 bp



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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.

RefSeq: <u>NM 178156.1</u>, <u>NP 835369.1</u>

RefSeq Size: 3677 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: 66.3 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]