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Product datasheet for MC226006

Fuom (NM_001286217) Mouse Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Fuom (NM_001286217) Mouse Untagged Clone
Tag:	Tag Free
Symbol:	Fuom
Synonyms:	Fucu; Le51
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
Cell Selection:	Neomycin
Fully Sequenced ORF:	>MC226006 representing NM_001286217 Red=Cloning site Blue=ORF Orange=Stop codon TTTTGTAATACGACTCACTATAGGGCGGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC GCCGCGATCGCC ATGGTTGCGCTCAAGGGCATCCCGAAGGTGCTGTCTCCTGAGCTGTTGTTCGCGCTTGCGCGGATGGGGC ATGGAGACGAAATTGTCCTTGCTGATGCGAACTTCCCTACCTCCTCCATCTGCCAGTGCGGACCTGTGGA GATCCGAGCAGACGGCCTGGACATCCCACAGCTTCTGGAGGCTGTGCTGAGGCTCCTGCCCCTGGACACC TACGTGGAAAGCCCGGCTGCTGTCATGGACCTGGTGCCCAGTGACAAGGAGAAGGGCCTGCAGACCCCGA TATGGAAGCGTTATGAATCCCTTCTTCTCGAAGCTGACTGTAAAAAAACCCTGATGAAGCTAGAGAGATT TGAATTTTATGAACGTGCAAAAAAGGCATTTGCTGTGGTTGCAACCGGCAACCAGACCTGGACATCAGCC TCGGGCTCAAGAAGATGGCAGATCTTGAGAGACTCTGCTGACCCTGACAAATTCCCCCTTCCATGA ACGCGTACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT ACAAGGATGACGACGATAAGGTTTAA
Restriction Sites:	SgfI-MluI
ACCN:	NM_001286217
Insert Size:	486 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).

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OTI Annotation:	Clone contains native stop codon, and expresses the complete ORF without any c-terminal tag.
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:	NM_001286217.1, NP_001273146.1
RefSeq Size:	2256 bp
RefSeq ORF:	486 bp
Locus ID:	69064
UniProt ID:	Q8R2K1
Cytogenetics:	7 F4
Gene Summary:	Involved in the interconversion between alpha- and beta-L-fucoses. L-Fucose (6-deoxy-L-galactose) exists as alpha-L-fucose (29.5%) and beta-L-fucose (70.5%), the beta-form is metabolized through the salvage pathway. GDP-L-fucose formed either by the de novo or salvage pathways is transported into the endoplasmic reticulum, where it serves as a substrate for N- and O-glycosylations by fucosyltransferases. Fucosylated structures expressed on cell surfaces or secreted in biological fluids are believed to play a critical role in cell-cell adhesion and recognition processes.[UniProtKB/Swiss-Prot Function] Transcript Variant: This variant (2) uses an alternate splice site in the 3'-terminal exon, compared to variant 1. The encoded isoform (2) has a longer and distinct C-terminus, compared to isoform 1. Sequence Note: This RefSeq record was created from transcript and genomic sequence data to make the sequence consistent with the reference genome assembly. The genomic coordinates used for the transcript record were based on transcript alignments.