

## Product datasheet for **MG224938**

### Use1 (NM\_025917) Mouse Tagged ORF Clone

#### Product data:

Product Type:	Expression Plasmids
Product Name:	Use1 (NM_025917) Mouse Tagged ORF Clone
Tag:	TurboGFP
Symbol:	Use1
Synonyms:	2010315L10Rik; 5730403H22Rik; AV002165; D12; Ed2; p31; Q-snare
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-AC-GFP (PS100010)
E. coli Selection:	Ampicillin (100 ug/mL)
ORF Nucleotide Sequence:	>MG224938 representing NM_025917 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC  
GCC**CGATCGCC**

ATGGCGCAGGCGGAAGGAGCCTATCATCGCCCGCTGGCGACGTCGCGGTTGGAGTTGAACCTGGTACGGC  
TGCTTTGTCGCTGTGAGTCGATGGCGGCAGAAAAACGAGAACCGGACGAGTGGCGACTGGAGAAGTATGT  
GGGTGCCCTGGAAGACATGCTGCAGGCCCTGAAAGTTCAAGCAAGTAAACCGGCCCTCAGAAGTGATCAGC  
GAGTACTCCCGCAAAGTGGACTTTCTGAAGGGCATGCTGCAGGCCGAGAAGTTGACCTCCTCCTCTGAAA  
AAGCTCTAGCTAACCAGTTCCTGGCTCCTGGCCGCGTGCCACCACAGCCAAGGAGCGGGTCCCTGCCAC  
CAAGACTGTACATTTGCAGTCTAGGGCAGGTTACACCAGTGAGATGCGGAGTGAGCTGTTGGGCATGGAA  
CCATCTGGAGAATGTGAGGTGGACATGAGGAAAACGAGCTGCGAAGGGGTCCAGACCTGCAGATGAGAGGC  
AGTCAGCATCCGAGCTAGACCTCGTCTCCAGAGGCACCAGGGCCTCCAGGAAAAGCTGGCTGAGGAGAT  
GCTAGGGCTGGCCCGCAGCCTCAAGACCAACACTGGCTGCCAGAGTGTATCAAGAAGGACAATCAG  
ACCCTGTCACATTCACCTCAAGATGGCAGACCAGAACCTGGAGAAGCTGAAGCTGGAGTCCGAGAGATTGG  
AGCAGCATGCACAGAAGTCAGTGAAGTGGCTGCTGTGGGCCATGCTCATTGTCGTGTGCTTCGTGTTTCAT  
CAGCATGATCCTGTTTATCCGAATCATGCCCAGGCTGAAA

**ACGCGT**ACGCGGCCGCTCGAG - GFP Tag - GTTTAA



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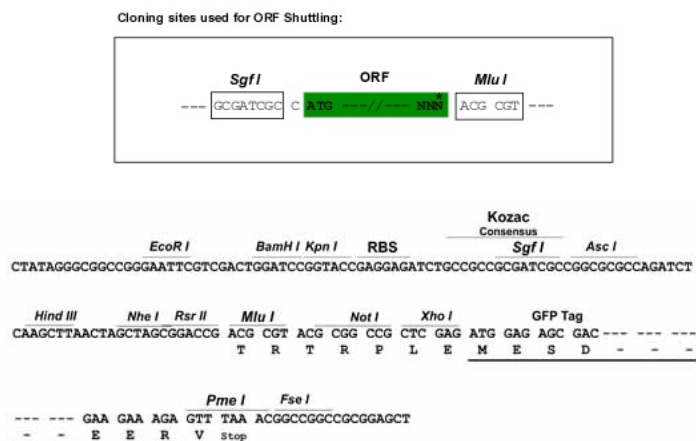
**Protein Sequence:** >MG224938 representing NM\_025917  
 Red=Cloning site Green=Tags(s)

MAQAEGAYHRPLATSRLLELNLVRLLCRCESMAAEKREPDEWRLEKYVGALEDMLQALKVQASKPASEVIS  
 EYSRKVDFLKGMLQAEKLTSSSEKALANQFLAPGRVPTTAKERVPATKTVHLQSRARYTSEMRSELLGME  
 PSGECEVDMRKRAAKGSRPADERQSASELDLVLQRHQGLQEKLAEEMGLARSLKTNTLAAQSVIKKDNQ  
 TLSHSLKMADQNLEKLEKLESERLEQHAQKSVNWLLWAMLIVVCFVVISMILFIRIMPRLK

TRTRPLE - GFP Tag - V

**Restriction Sites:** SgfI-MluI

**Cloning Scheme:**



**ACCN:** NM\_025917

**ORF Size:** 810 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.

**RefSeq:** [NM\\_025917.4](#), [NP\\_080193.1](#)

**RefSeq Size:** 874 bp

**RefSeq ORF:** 813 bp

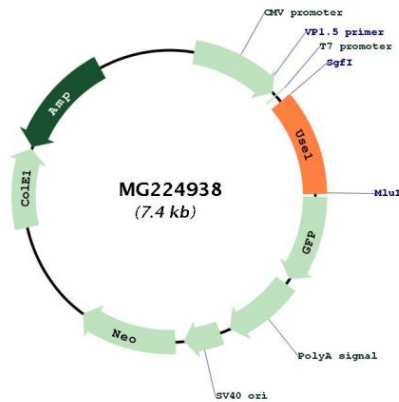
**Locus ID:** 67023

**UniProt ID:** [Q9CQ56](#)

**Cytogenetics:** 8 B3.3

**Gene Summary:** SNARE that may be involved in targeting and fusion of Golgi-derived retrograde transport vesicles with the ER.[UniProtKB/Swiss-Prot Function]

**Product images:**



Circular map for MG224938