

Product datasheet for MR224938

Use1 (NM_025917) Mouse Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Use1 (NM_025917) Mouse Tagged ORF Clone
Tag:	Myc-DDK
Symbol:	Use1
Synonyms:	2010315L10Rik; 5730403H22Rik; AV002165; D12; Ed2; p31; Q-snare
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
ORF Nucleotide Sequence:	>MR224938 representing NM_025917 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCC**CGATCGCC**

ATGGCGCAGGCGGAAGGAGCCTATCATCGCCCGCTGGCGACGTCGCGGTTGGAGTTGAACCTGGTACGGC
TGCTTTGTCGCTGTGAGTCGATGGCGGCAGAAAAACGAGAACCGGACGAGTGGCGACTGGAGAAGTATGT
GGGTGCCCTGGAAGACATGCTGCAGGCCCTGAAAGTTCAAGCAAGTAAACCGGCCTCAGAAGTGATCAGC
GAGTACTCCCGCAAAGTGGACTTCTGAAGGGCATGCTGCAGGCCGAGAAGTTGACCTCCTCCTCTGAAA
AAGCTCTAGCTAACCAGTTCCTGGCTCCTGGCCGCGTGCCACCACAGCCAAGGAGCGGGTCCCTGCCAC
CAAGACTGTACATTTGCAGTCTAGGGCAGGTTACACCAGTGAGATGCGGAGTGAGCTGTTGGGCATGGAA
CCATCTGGAGAATGTGAGGTGGACATGAGGAAAACGAGCTGCGAAGGGGTCCAGACCTGCAGATGAGAGGC
AGTCAGCATCCGAGCTAGACCTCGTCTCCAGAGGCACCAGGGCCTCCAGGAAAAGCTGGCTGAGGAGAT
GCTAGGCCTGGCCCGCAGCCTCAAGACCAACACTGGCTGCCAGAGTGTATCAAGAAGGACAATCAG
ACCCTGTCACATTCAGTCAAGATGGCAGACCAGAACCTGGAGAAGCTGAAGCTGGAGTCCGAGAGATTGG
AGCAGCATGCACAGAAGTCACTGAAGTGGCTGCTGTGGGCCATGCTCATTGTCGTGTCTCGTGTTCAT
CAGCATGATCCTGTTTATCCGAATCATGCCCAGGCTGAAA

ACGCGTACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
ACAAGGATGACGACGATAAGGTTTAA



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Protein Sequence: >MR224938 representing NM_025917
Red=Cloning site Green=Tags(s)

MAQAEGAYHRPLATSRLLELNLVRLLCRCESMAAEKREPDEWRLEKYVGALEDMLQALKVQASKPASEVIS
 EYSRKVDFLKGMLQAEKLTSSSEKALANQFLAPGRVPTTAKERVPATKTVHLQSRARYTSEMRSELLGME
 PSGECEVDMRKRAAKGSRPADERQSA SELDLVLQRHQGLQEKLAEEMGLARSLKTNTLAAQSVIKKDNQ
 TLSHSLKMADQNLEKLEKLESERLEQHAQKSVNWLLWAMLIVVCFVFI SMILFIRIMPRLK

TRTRPLEQKLISEEDLAANDILDYKDDDDKV

Chromatograms: https://cdn.origene.com/chromatograms/mm9030_e07.zip

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

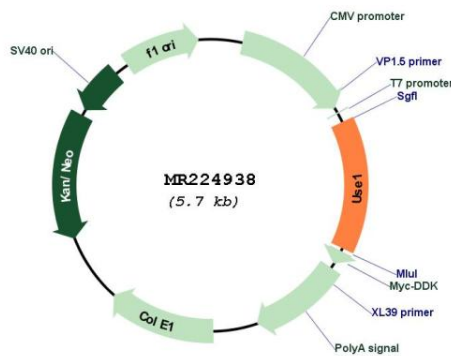
UniProt ID: [Q9CQ56](#)

Cytogenetics: 8 B3.3

MW: 31 kDa

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 MR224938