

Product datasheet for **SC113481**

USE1 (NM_018467) Human Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	USE1 (NM_018467) Human Untagged Clone
Tag:	Tag Free
Symbol:	USE1
Synonyms:	D12; MDS032; P31; SLT1
Mammalian Cell Selection:	None
Vector:	<u>pCMV6-XL5</u>
E. coli Selection:	Ampicillin (100 ug/mL)
Fully Sequenced ORF:	>OriGene ORF within SC113481 sequence for NM_018467 edited (data generated by NextGen Sequencing)

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ATGGCGGCTCGAGGCTGGAGCTAAACCTGGTGGCGCTGCTATCCCGCTGCGAGGCGATG
GCAGCGGAGAAAACGGGACCCGGACGAGTGGCGCCTGGAGAAGTACGTGGGAGCCCTAGAG
GACATGTTGCAGGCCCTGAAGGTCCACGCGAGCAAACCGCCTCTGAGGTGATCAATGAA
TATTCCTGGAAGGTGGATTTTCTGAAGGGGATGCTGCAAGCCGAGAAGCTGACCTCCTCC
TCAGAGAAAGCACTGGCCAACCAGTTCCTGGCCCTGGCCGTGTGCCAACACAGCCAGA
GAGCGAGTGCCCGCCACAAAGACGGTGCATCTGCAGTCACGGGCGCGGTACACCAGCGAG
ATGCGGAGTGAGCTACTAGGCACGGACTCTGCAGAGCCTGAGATGGACGTAAGGAAGAGA
ACTGGAGTGGCAGGGTCCAGCCAGTGAGTGAGAAGCAGTCGGCAGCTGAGCTAGACCTC
GTCCTGCAGCGACATCAGAACCTCCAGGAAAAGCTGGCGGAAGAGATGCTAGGACTGGCC
CGGAGCCTCAAGACCAATACCCTGGCCGCCAGAGTGTCATCAAGAAGGACAACCAGACC
CTGTACACTCACTGAAAATGGCGGACCAGAACCTGGAGAACTGAAGACGGAGTCAGAG
CGTCTGGAGCAGCACACGCAGAAGTCAGTCAACTGGCTGCTCTGGGCCATGCTCATTATC
GTCTGTTTCATCTTATTAGCATGATCCTTTCATTTCGAATCATGCCTAAACTCAAATAA
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Clone variation with respect to NM_018467.3



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5' Read Nucleotide Sequence:	>OriGene 5' read for NM_018467 unedited GCACGAGGGGAAGGGGTGGTGTAGGGCCGGGCGATAATGGCGGCGTTCGAGGCTGGAGCTAACCTGGTGC GGCTGCTATCCCCTGCGAGGGCGATGGCAGCGGAGAAACGGGACCCGGACGAGTGGCGCCTGGAGAAGTACGTGGGAGCCCTAGAGGACATGTTGCAGGCCCTGAAGGTCACGCGAGCAAACCGGCCTCTGAGGTGATCAATGAATATTCCTGGAAGGTGGATTTTCTGAAGGGATGCTGCAAGCCGAGAAGCTGACCTCCTCCTCAGAGAAAGCACTGGCCAACCAGTTCTTGCCCTGGCCGTGTGCCAACACAGCCAGAGAGCGAGTGCCCGCCACAAAAGACGTGCATCTGCAGTCACGGGCGCGGTACACCAGCGAGATGCGGAGTGAGCTACTAGGCACGGACTCTGCAGAGCCTGAGATGGACGTAAGGAAGAGAACTGGAGTGGCAGGGTCCCAGCCAGTGAGTGAGAAGCAGTCGGCAGCTGAGCTAGACCTCGTCTGCAGCGACATCAGAACCTCAGGAAAAGCTGGCGGAAGAGATGCTAGGACTGGCCCGGAGCCTCAAGACCAATACCCTGCCGCCAGAGTGTATCAAGAAAGACAACCAGACCCTGTCACTACTGAAAATGG
3' Read Nucleotide Sequence:	>OriGene 3' read for NM_018467 unedited AAACTTTGGGTCTTTTATTGAGTTTAGCATGATCGAATGAANGAGATCATGCTAATGAAGATGAAGCAGACGATAATGAGCATGGCCCAGAGCAGCCAGTTGACTGACTTCTGCGTGTGCTGCCAGACGCTGACTCCGTCTTCACTTTCTCCAGTTCTGGTCCGCCATTTTCACTGAGTGTGACAGGGTCTGGTTGCTCTTCTGATGACACTCTGGGCGGCCAGGGTATTGGTCTTGAGGCTCCGGGCCAGTCTAGCATCTCTCCGCCAGCTTTTCTGGAGTTCTGATGTCGCTGCAGGACGAGGTCTAGCTCAGCTGCCGACTGCTTCTCACTCACTGGCTGGGACCCTGCCACTCCAGTTCTTCTTACGTCCATCTCAGGCTCTGCAGAGTCCGTGCCTAGTAGCTACTCCGCATCTCGCTGGTGTACCGCGCCCGTACTGCAGATGCACCGTCTTTGTGGCGGCACTCGCTCTCTGGCTGTGGTTGGCACACGGCCAGNGCCAGGAACTGTTGGCCAGTGCTTTCTCTGAGGAGGAGTCTGCTTCTCGGCTTGCAGCATCCCCTTCAAGAAAATCCACCTTCCAGGAATATTCATTGATCACCTCAGAGGCCGTTTGTCTCGCGTGGACCTTCANGGCCGCAACATGTCCTTAGGGCTCCCACGTAATCTCCAGGCCCACTCGTCCGGGTCCCCTTCTCCGCTGCCATCGCCTCGCAGCGGGATAGCAGCCGCACCCAGTTTAGCTCCAGCCTCAGCGCCGNCATTTATCGCCGGNCCTACACCACCCCTTNCCTCGTGCCGAATTCGCGGNCCGCCCTATAGTGAGGTGATTAACAAAATTCTGACGGTTCATAACGAGCTCTGCTATATAGACCCTCCACCGTACACGCCTAC
Restriction Sites:	NotI-NotI
ACCN:	NM_018467
Insert Size:	970 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).
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:	<ol style="list-style-type: none"> 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_018467.2, NP_060937.1</u>
RefSeq Size:	843 bp
RefSeq ORF:	780 bp
Locus ID:	55850
UniProt ID:	<u>Q9NZ43</u>
Cytogenetics:	19p13.11
Protein Families:	Transmembrane
Protein Pathways:	SNARE interactions in vesicular transport
Gene Summary:	SNARE that may be involved in targeting and fusion of Golgi-derived retrograde transport vesicles with the ER.[UniProtKB/Swiss-Prot Function]