

Product datasheet for MR231607

Usp43 (NM_001291049) Mouse Tagged ORF Clone

Product data:

Product Type: Expression Plasmids
 Product Name: Usp43 (NM_001291049) Mouse Tagged ORF Clone
 Tag: Myc-DDK
 Symbol: Usp43
 Mammalian Cell Selection: Neomycin
 Vector: pCMV6-Entry (PS100001)
 E. coli Selection: Kanamycin (25 ug/mL)
 ORF Nucleotide Sequence: >MR231607 representing NM_001291049
 Red=Cloning site Blue=ORF Green=Tags(s)

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 GCCCGATCGCC

ATGGATCCGGGCGTGGGGAACGCACTGGGAGAGGGGCGCCCGCCCGCCCGCCCGCCCGTTC
 TTCGCCGCTGCTTAACCGCTTCTCTGCTAGCTCTGGGAGCCGCTCCCGCTCGGGGACTCGCCGCCCG
 GCCCGCGCCAGCCAGTCCCTACGATGGCGATGGAGAAGGGGGCTTTGCCTGCGCCCGGGCCGGCA
 CCAGCCTCTCCGGGAGTCCAGGGCCAGATCGTCCTCCGGATCCCAACCCAGATATCTTCGGGTGACG
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GCCCAGCTGTACCCTGGACGAATGTTTTTCAGTCTATACCAAGGAGGAACAGCTGGCCCAGGATGATGCA
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ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
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Protein Sequence:

>MR231607 representing NM_001291049

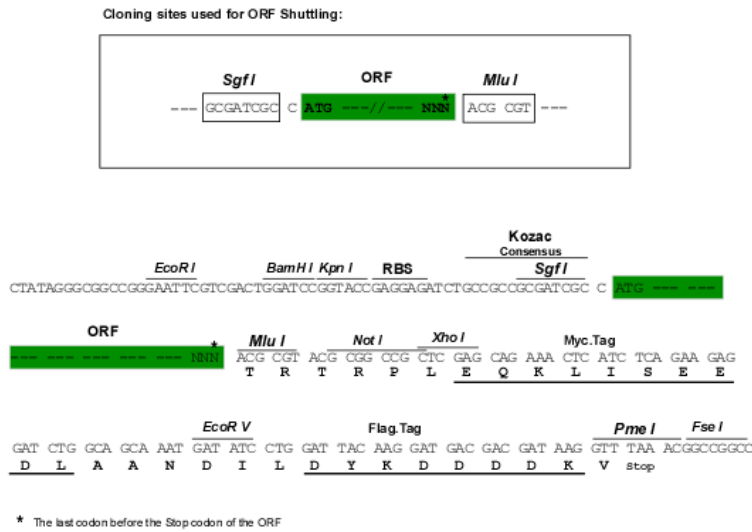
Red=Cloning site Green=Tags(s)

MDPGVGNALGEGPPAPRPRRRSLRLLNRLLALGSRSRSGDSPRPPAQPSPYDGDGEGGFACAPGPA
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 DNVYAFQVPPSPGLGTL SAHPSGLSVSPRLPVRDSQRFSGPLHSEN RVVFLFCNLVSGSQASRFPPFL
 IREDRTISWAQLQQCILSKVRCLMRSEVSAQDLGTLF SIRVVGLSLACSYLSPKDNRPLCHWAVDRALHL
 RRPGGPPHVKLAVEWSSVTERLFGSLQEERVQDADSVWRQQAHQQPSCTLDECFQSYTKEEQLAQDDA
 WKCPHCQVLLQGVVVKLSLWLPDILIIHLKRFQVGERRNLSTLVKFPPLSGLNMAPHVARRSTNSKAGP
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 FYQKRNSIPPWSASSMRGSTSSSLSDHWMRLGSLNSTRGSLLSWSSAPCPSMARVPDSPVFTNGVCH
 QDKGGVETRPLVRGVGRSISMKASPARSRHGPFKTMPLRWSFGHREKRPASVELVEYLESRRRPRST
 SQSIVPLLTRAAGGEETSASPRSDGTLPAKSEDSGRAIGQGTGVPLSSCHLNHHPALGSLDSDLHTART
 RTGNVSQDIRLPKFDLPLTVMPVSVGDEKPARPEGQKMPWKSGSQVGSQSSPPSPSTGLLRNFKDSGPG
 TLPKMKSKAAMEERAPDKDRGQGTFTLLKSVFWKKEHKRTV RTESSPPAPPISLGS DRLSPAAMNEQALR
 IRESPAKGLGNHMERDIRSAPSSLHLPRKASRPPRASTAGTSQRTIPGEQISYGLTQRVKYHTLSLGRKK
 SLPESSF

TRTRPLEQKLISEEDLAANDILDYKDDDDKV

Restriction Sites: SgfI-MluI

Cloning Scheme:



ACCN: NM_001291049

ORF Size: 3381 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_001291049.1](#), [NP_001277978.1](#)

RefSeq Size: 4447 bp

RefSeq ORF: 3384 bp

Locus ID: 216835

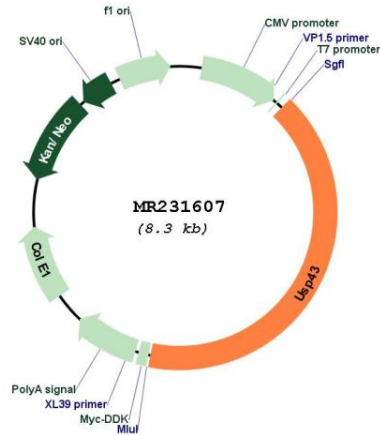
UniProt ID: [Q8BUM9](#)

Cytogenetics: 11 B3

MW: 123.8 kDa

Gene Summary: May recognize and hydrolyze the peptide bond at the C-terminal Gly of ubiquitin. Involved in the processing of poly-ubiquitin precursors as well as that of ubiquitinated proteins (By similarity).[UniProtKB/Swiss-Prot Function]

Product images:



Circular map for MR231607