

Product datasheet for MR227652

Usp18 (NM_011909) Mouse Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Usp18 (NM_011909) Mouse Tagged ORF Clone
Tag:	Myc-DDK
Symbol:	Usp18
Synonyms:	1110058H21Rik; AW047653; Ubp15; UBP43
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
ORF Nucleotide Sequence:	>MR227652 representing NM_011909 Red=Cloning site Blue=ORF Green=Tags(s)

CTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCC**CGATCGCC**

ATGGGCAAGGGTTTGGGCTCCTGAGGAAACCCTGCCAGTCAGTTGTGGCTGAGCCGAGCAGTACTCAG
CGCTGGAGGAAGAGAGGACCATGAAGAGGAAGAGAGTGTCTAGAGACCTCTGCAGTGCCTGGGACAG
CCCTCATGGTCTGGTTGGTTTACACAACATCGGACAGACGTGTTGCCCTAACTCCTTGCTCAAGTGTT
ATGATGAACATGGACTTCAGAATGATATTGAAGAGGATAACAGTGCCTCGGAGTGCAGAAGAGAGGAAGA
GAAGTGTCCCCTCCAGCTGCTTTTGTGCTGGAGAAGATGCAGGACAGTCGACAGAAAGCCGTGCTGCC
CACGGAGCTCGTTCAGTGCCTGCAGAAATAACAAGTGCCGTTGTTTGTCCAGCAGATGCTGCTCAACT
TACCTTACAATCTGGAACCTGACTAAGGACCAGATCACGGACACAGACTTGACAGAGCGGCTGCAGGGTC
TGTTACCATCTGGAGCAGGAGTCCCTGATTTGCGTGGGCTGTACAGCAGAGAGCAGCAGGAGGAGCAA
ACTGCTCACACTCTCTTCTCTTTTGTAAAGGACGCAAAGCCTCTGAAAACCCTGGAGGATGCCTTG
AGATGTTTCGTCAGCCAAAGAGTTAGCAAGCTCCGACATGTGCTGCGAGAGCTGTGGGGAGAAGACGC
CTTGAAACAGGTTCTGAAGCTGACTCATCTGCCCAAACCTTGACCATTACCTCATGAGATTCTCTGC
CAGGAACCTCGAGGACGGAAAAGATCTGTCACTCAGTTAATTTCCCTCAGAGCTTGATTTTCAGTCAGGTT
CTGCCAACCGAGGAAAGACTCGGTGATACCAAGGAACAGTCTGAAATACACTATGAACTTTGCCGTGA
TTGCCACGTTGGGATGGCTGACTTTGGTCATTACTGTGCCTACATCCGGAATCCCGTGGATGGAAGTG
GTTCTGCTTCAATGACTCACATGTTTGGTGGTACCTGGAAGGATGTCCAGTGTACCTATGGAACCCAC
AGATACCCTGGCGGAAACGGCCTATCTCTTGTTTACACGAAGACTGGATCC

ACGCGTACGCGGCCGCTCGAGCAGAAACTCATCTCTGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
ACAAGGATGACGACGATAAGGTTTAA

Restriction Sites: Sgfl-Mlul



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Cloning Scheme:


ACCN: NM_011909

ORF Size: 1104 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_011909.2](#), [NP_036039.2](#)

RefSeq Size: 1778 bp

RefSeq ORF: 1107 bp

Locus ID: 24110

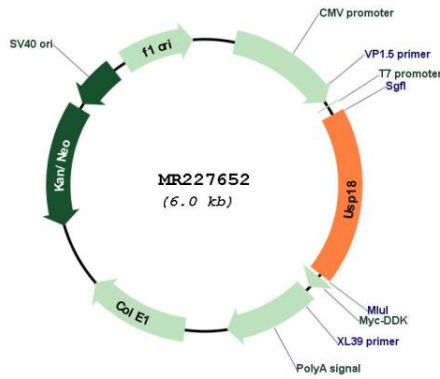
UniProt ID: [Q9WTV6](#)

Cytogenetics: 6 57.17 cM

MW: 42.9 kDa

Gene Summary: Involved in the regulation of inflammatory response to interferon type 1. Can efficiently cleave only ISG15 fusions including native ISG15 conjugates linked via isopeptide bonds. Necessary to maintain a critical cellular balance of ISG15-conjugated proteins in both healthy and stressed organisms.[UniProtKB/Swiss-Prot Function]

Product images:



Circular map for MR227652