

Product datasheet for **MG227652**

Usp18 (NM_011909) Mouse Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Usp18 (NM_011909) Mouse Tagged ORF Clone
Tag:	TurboGFP
Symbol:	Usp18
Synonyms:	1110058H21Rik; AW047653; Ubp15; UBP43
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-AC-GFP (PS100010)
E. coli Selection:	Ampicillin (100 ug/mL)
ORF Nucleotide Sequence:	>MG227652 representing NM_011909 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCC**CGATCGCC**

ATGGGCAAGGGTTTGGGCTCCTGAGGAAACCCTGCCAGTCAGTTGTGGCTGAGCCGAGCAGTACTCAG
CGCTGGAGGAAGAGAGGACCATGAAGAGGAAGAGAGTGTCTAGAGACCTCTGCAGTGCCTGGGACAG
CCCTCATGGTCTGGTTGGTTTACACAACATCGGACAGACGTGTTGCCTAACTCCTTGCTCAAGTGTT
ATGATGAACATGGACTTCAGAATGATATTGAAGAGGATAACAGTGCCTCGGAGTGCAGAAGAGAGGAAGA
GAAGTGTCCCCTCCAGCTGCTTTTGTGCTGGAGAAGATGCAGGACAGTCGACAGAAAGCCTTGCTGCC
CACGGAGCTCGTTCAGTGCCTGCAGAAATAACAAGTGCCGTTGTTTGTCCAGCAGATGTGCTCAACTC
TACCTTACAATCTGGAACCTGACTAAGGACCAGATCACGGACACAGACTTGACAGAGCGGCTGCAGGGTC
TGTTACCATCTGGACGCAGGAGTCCCTGATTTGCGTGGGCTGTACAGCAGAGAGCAGCAGGAGGAGCAA
ACTGCTCACACTCTCTCTCTCTTTTGGATAAGGACGCAAAGCCTCTGAAAACCCTGGAGGATGCCTTG
AGATGTTTCGTCAGCCAAAGAGTTAGCAAGCTCCGACATGTGCTGCGAGAGCTGTGGGGAGAAGACGC
CTTGGAACAGGTTCTGAAGCTGACTCATCTGCCCAAACCTTGACCATTACCTCATGAGATTCTCTGC
CAGGAACCTCGAGGACGGAAAAGATCTGTCACTCAGTTAATTTCCCTCAGAGCTTGATTTTCAGTCAGGTT
CTGCCAACCGAGGAGACCTCGGTGATACCAAGGAACAGTCTGAAATACACTATGAACCTTTGCCGTGA
TTGCCACGTTGGGATGGCTGACTTTGGTCATTACTGTGCCTACATCCGGAATCCCGTGGATGGAAGTG
GTTCTGCTTCAATGACTCACATGTTTGGTGGTACCTGGAAGGATGTCCAGTGTACCTATGGAACCCAC
AGATACCGCTGGCGGAAACGGCCTATCTCTTGGTTTACACGAAGACTGGATCC

ACCGTACGCGGCCGCTCGAG - GFP Tag - GTTTAA



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Protein Sequence: >MG227652 representing NM_011909
 Red=Cloning site Green=Tags(s)

MGKGFLLLRKPCQSVVAEPQQYSALEEERTMKRKRVL SRDLCSAWDSPHGLVGLHNIQTCCLSLLQVF
 MMNMDFRMILKRITVPRSAEERKRSVFPQLLLLLLEKMQDSRQKALLPTELVOCLQKYNVPLFVQHDAACL
 YLTIWNLTkdQITDIDLTERLQGLFTIWTQESLICVGTAESSRRSKLLTL SLPLFDKDAKPLKLTLEDAL
 RCFVQPKELASSDMCCESCGEKTPWKQVLKLT HLPQTLTIHL MRF SARNRTEKICHSVNFPQSLDFSQV
 LPTEEDLGDTKEQSEIHYELFAVIAHVGMADFGHYCAYIRNPVDGKWF CFNDSHVCWVTWKDVCQTYGNH
 RYRWRETAYLLVYTKTGS

TRTRPLE - GFP Tag - V

Chromatograms: https://cdn.origene.com/chromatograms/ja1635_g12.zip

Restriction Sites: SgfI-MluI

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

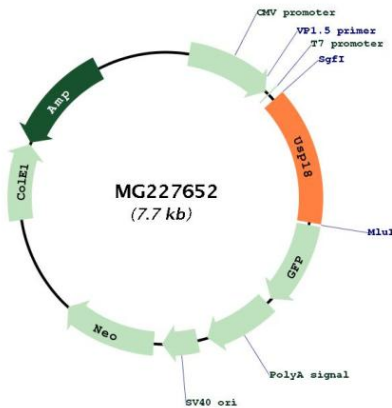
Locus ID: 24110

UniProt ID: [Q9WTV6](#)

Cytogenetics: 6 57.17 cM

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 MG227652