

## Product datasheet for **MR226460**

### Usp26 (NM\_031388) Mouse Tagged ORF Clone

#### Product data:

Product Type:	Expression Plasmids
Product Name:	Usp26 (NM_031388) Mouse Tagged ORF Clone
Tag:	Myc-DDK
Symbol:	Usp26
Synonyms:	MGC159157
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)



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ORF Nucleotide  
Sequence:

>MR226460 representing NM\_031388  
Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGGAATTCGTGACTGGATCCGGTACCGAGGAGATCTGCC  
GCC**CGCATCGCC**

ATGGAGCCATATTTGATAAATGCTCAAGTCCAGATGTGGAGTGCAAAGGCAGGAATGTCCAAGTCAAGAA  
ATGCACCTATTGAAACATGTGTAGGAAAACGAGAAGTTAACTTATTCTCTATTTTCAGCACTGGAAAGAT  
TAAGACTTTGCAACTACACGATAATATTTAAAAGTGTGGTCTTCAAACCTATGGCGAAGACCAGAATTAC  
CTACATTTGACTTTTAAAAATAATGATTTCTTGTTTGTTGAGAACTCACCACCACAGATGCCAGAAGAC  
TGAAGAGATTTCTAGACAAAACCTCTCAAGGTAGTATTCGGCCAGCCAGAAGTGATGAGAGATGTGGTGA  
GCCTAGCACAAAGTGCACAGGAGTTGAATGGCTCTGGAAGTTCATGTGAAACAAATAGTGAGTGCTTTGAA  
TCACCCAAAGAAAGTGAATGTGCATGTTTCGTGAGTTGTCTTTGCTTCCATCCTCATCAACCTTTCTTC  
ACAATGTAGGATTATTAGAAAACCAATTCATAAAGAGGAAAAGATTTTTCTCTGATTTAGCAAAAAATGA  
AAAACAGAGCAACCTGAAGGACAGTATCAGGGACTTTGAGGCAAAATTTAGTGGTGTGTATCTCTAATGAA  
AAGGGAAAAGAAAGGAATGTAAGAGAAGTAGACATCAGTAAGCCAGGGTTTGATTTCCATTTGAGACCA  
ACTATCCTGAAGATAGTGGTGTGGATGTTTCGTGATCTTAATGATCTCATTACAAAATTTTTCTCCAGT  
TCTGTTGGAAACACACTGTATTGAGAACGGCTAGAGTGGCATGAATATATGAAGACATACTTGCTTTAC  
CCAGAGAAATTTGGCAAGGCCTGCCTAATGTGGGAAACACCTGCATATAAATGTTGTATTACAGTCTC  
TATGCTCAATACCACTGTTTATTAATGATTTATCAACCAGGGTTTCCATGGATTAAGCTCCCAAGA  
TGATTTTAAATGCTCTTGATGCAACTGCTTGTGTTTGAAGATATTTACAACGCAAGATTTAGACAGAAG  
TTACTTATAGGTATTACAAAAGCCCTCCCATATTTGGAGAGATATTTGCTGTTGACAGGCAGAATGATG  
CTCATGAGTTTTAAGTCTCTGTTTAGTTCAGTTGAAGGAGACTTCCAAGAGTAACCATGATGTGGCA  
GTCTGAAAATGATTCGGGGGATTTTACTTACTTAAAGACATTTTTGCTGATTATGCTACTATCAACAAA  
ATGCCCGTTTGTCTGTTACCAATAATTTGAATTTGAGTTGCTAAGCTCCATTTTTTGAAGCTTGTG  
GCCTGACTCTTTTTAAGGGAGAACAAGTAGATACCTTTCTATCAACATTCCTCAAGGAGGAAAGACAT  
GTCCATCCAGTCCACTTTAGATCTTTTCTTTAGTGCAGAGGAGCTTGGCATAGGTGTGAAAAGTGTG  
TACAACAAATCTGTTTCACTTTACAGGTTTGGCCGGCTACCCAGGTAATTTGTTTCACTGAAACGCT  
ATCACTTTAATGAGTCATGGTAATGAAGAAGGATGAGCGGCCCATCCTTGTTCCAAATACTTAAGGCT  
GTCTTGTCACTGTAGCAAAAGCACAAAACCGCCCCACCCCTTCGCCAGGTGAACATGTTAAGAATCTT  
GACTTATTAACCCCTTGAAGTGTGGGTTCCGAAATACTCAAATTCCTTTTAAATTCAGTGAGGACCT  
CTAGATCCAAGGGTTTCGAAACTATAAACATCACATCAAACAGGGAGTCAGAAGCACAAAGTGGGAAAAG  
AGTCTCTGAAGTGTGAGTGGAAAAGTGCAGCAGGAAAATTCAGGGAAAAGGTGACACAGCACATATAGTT  
GGGTGAGAACTTACAAAGGAGACTGAGAAACTCAAGAAACATGAGGAAGAGCATAGACCCAGTGATTTAG  
ATTCTGGTAGTATCAGGGAGGCCAAAAGTACCAACAGGCTGAGAAATGTAAACGAAGGGAGAAGTGATAA  
GCAGATTTCCCTAGAGGCACTTACTCAAAGCCGTCCAAAACCAATCTCCAGGAACAGACAGAAAACCTT  
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GCTCCCGATGCAGTGATGATCTCGATAAGAAGGCAAAGCCTACACGCAAGGTGGATCCAACAAAGTTAAA  
TAAAAAAGAAGATAATGTTTACAGGCTTGTAAATATTATCAACCATATTGGGAACAGTCCAATGGAGGC  
CACTACATCAATGATGCCTTTGACTTCAAGAGGCAGAGTTGGTTCACTTATAGTGATCTACATGTAACAA  
GAACCCAAGAGGACTTTGTATATAGGGTCCGAGTTTCTACTGGGTATGTCTTCTTTTACATGCATAATGA  
TATATTTGAAGAGCTCTTGGCAAAGGAACTCAGTCTACCAGCACATCCAAGGT

**ACGCGT**ACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAATGATATCCTGGATT  
ACAAGGATGACGACGATAAGGTTTAA

**Protein Sequence:** >MR226460 representing NM\_031388  
Red=Cloning site Green=Tags(s)

MEPILINAQVQMWSAKAGMSKSRNALIETCVGKREVKLILYFSTGKIKTLQLHDNIKSVVLQTYGEDQNY  
LHLTFKNNDFLVEKLTTTDARRLKRFLDKTSQGSIRPARSDERCGEPTSAQELNGSGSSCETNSECFE  
SPKESEMCMFREL SLLPSSSTFLHNVGLENQFIKRKRFFSDLAKNEKQSNLKDSIRD FEANLVVCISNE  
K GKERNVREVDISKPGFGFPFETNYPEDSGVDVRDLNDLITKLFSPVLETHCIENGLEWHEYMKTYLLY  
PEKLWQGLPNVGNTCYINVVLQSLCSIPLFINDLFNQGFPIKAPKDDFNMLLMQLLVLDIYNARFRQK  
LLIGITKALPIFGEIFAVDRQND AHEFLSLCLVQLKETFORVTMMWQSEND SGDFYLLKDI FADYATINK  
MPVCPVTNNFEFELLSSIFCKACGLTLFKGEP SRYLSINIPQGGK DMSIQSTLDLFFSAEELEHRCEKCL  
YNKSVSFHRFGRLPRVIIVHLKRYHFNESWVMKKDERPILVSKYLRLSCHCSKSTKPPPLRPGEHVKNL  
DLLKPLEVLGSEILKLPFNSVRTSRSGFETINITSNRESEAQSGKRVSEVL SGKVQQENSGKGD TAHIV  
GSELTKETEK LKKHEEHRPSDLDSGSI REAQYQQA EKCNEGRSDKQISLEAL TQSRPKPISQEQTENL  
GKTTL SHTQDSSQSSQSSDSSKSSRCSDDL DKKAKPTRKVDPTKLNKKEDNVYRLVNIINHIGNSPNGG  
HYINDAFDFKRQSWFTYSDLHVTRTQEDFVYGRSSTGYVFFYMHNDIFEELLAKETQSTSTSKG

TRTRPLEQKLI SEEDLAANDILDYKDDDDKV

**Chromatograms:** [https://cdn.origene.com/chromatograms/mm9046\\_h09.zip](https://cdn.origene.com/chromatograms/mm9046_h09.zip)

**Restriction Sites:** Sgfl-Mlul

Cloning Scheme:



ACCN: NM\_031388

ORF Size: 2505 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\\_031388.2](#), [NP\\_113565.2](#)

**RefSeq Size:** 4133 bp

**RefSeq ORF:** 2508 bp

**Locus ID:** 83563

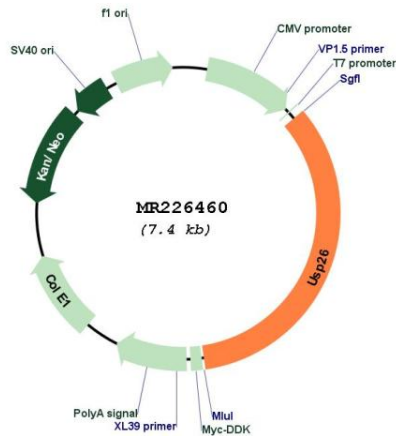
**UniProt ID:** [Q99MX1](#)

**Cytogenetics:** X A5

**MW:** 95.9 kDa

**Gene Summary:** Involved in the ubiquitin-dependent proteolytic pathway in conjunction with the 26S proteasome. Deubiquitinates the androgen receptor and regulates the androgen receptor signaling pathway.[UniProtKB/Swiss-Prot Function]

### Product images:



Circular map for MR226460