

Product datasheet for **MR226453**

Usp27x (NM_019461) Mouse Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Usp27x (NM_019461) Mouse Tagged ORF Clone
Tag:	Myc-DDK
Symbol:	Usp27x
Synonyms:	Sfc11; Usp27
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)



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ORF Nucleotide Sequence:

>MR226453 representing NM_019461
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**GCGATCGCC**

ATGTGTAAAGACTATGTGTATGACATAGACATTGAGCAAATTGCCAAAGAAGAGCAAGGAGAAGCCTTGA
 AATTACAAGCGTCCACCTCGACAGAGGTTTCTCAGCAACAGTGTTCAAGTCCGGGACTTGGGAGAAATA
 TCCACCTGGGAAACGACCAAACCTGAACTAGAACTTCTGGGCAACAACCCACGGAGAAGAAGGATCGCC
 TCCAGCTTTACCATCGGCTTACGAGGACTAATTAATCTTGGCAACACGTGTTTTATGAAGTGCATTGTCC
 AGGCCTTGACCCACACTCCAATACTGAGAGATTTCTTTCTCTGACAGGCACCGGTGTAAATGCCAG
 CCCTGAGTTGTGTCTGGTCTGTGAGATGTCGTCGCTCTTTCGGGAGCTGTATTCTGGAACCCATCTCT
 CATGTGCCCTATAAGTTACTGCACCTGGTGTGGATACACGCTCGTCATCTAGCAGGTACAGGCAGCAGG
 ATGCCACGAGTTCCTCATCGCTGCGCTAGATGTCCTGCATAGGCACTGCAAAGGTGACGATGTTGGCAA
 GGTGGCCAGCAACCCCAACCACTGTAACATGCATCATAGACCAAATCTTACAGGTGGCCTGCAGTCCGAT
 GTACCTGTCAAGCCTGCCATGGTGTCTCCACCACTATAGACCAATGCTGGGACATTAGTCTGGACTTGC
 CTGGCTCTTGACATCCTTCTGGCCATGAGCCCTGGGAGGGAGAGCAGTTTGAATGGCGAAAGCCACAT
 CCCAGGCATCACCCTCTCACGGACTGCTTGCAGAGTTTACAAGGCCAGAGCACTTAGGAAGTAGTGCC
 AAAATCAAGTGTGGTAGTTGCCAAAGCTACCAAGAATCTACCAACAGCTCACTATGAAGAAGTTACCAG
 TAGTTGCCTGCTTTCATTTCAAACGTTTGAACACTCAGCGAAACAGAGGCGCAAGATCACTACGTACAT
 TTCCTTCTCTGGAGCTGGATATGACACCATTATGGCGTCAAGTAAAGAGACCCGGGTGAATGGACAG
 TTGCAGCTCCCAACCAATAGTGCGAACAACGAGAATAAGTATTCCTTGTGCTGTGGTTAATCACCAAG
 GAACCTTGGAGAGTGGCCACTACACCAGTTCATTTCGGCACCACAGGGACCAGTGGTTCAAGTGTGATGA
 TGCCGTAATCACCAAGGCCAGTATTAAGGATGTGCTGGACAGTGAAGGATTTACTGTTCTATCACAAA
 CAGGTCCTGGAACCTGAGCCAGAAAAGGTGAAAGAAATGACTCCACAAGCCTAC

ACGCGTACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
 ACAAGGATGACGACGATAAGGTTTAA

Protein Sequence:

>MR226453 representing NM_019461
 Red=Cloning site Green=Tags(s)

MCKDYVYDIDIEQIAKEEQGEALKLQASTSTEVSQQCSVPGLGEKYPTWETTKPELELLGHNPRRRRIA
 SSFTIGLRGLINLGNTCFMNCIVQALHTPILRDFFLSDRHRCEMPSPELCLVCEMSSLFREL YSGNPSP
 HVPYKLLHLVWIHARHLAGYRQDAHEFLIAALDVLHRHCKGDDVGKVASNPNCNCIIDQIFTGGLQSD
 VTCQACHGVSTTIDPCWDISLDLPGSCTSFWPMSPGRESSLNESHIPGITTLTDCLRRFTRPEHLGSSA
 KIKCGSCQSYQESTKQLTMKKLPVVACFHFKRFEHSAKQRRKITYISFPLELDMTPFMASKETRVNGQ
 LQLPTNSANNENKYSLFAVNVHQGTLESGHYTSFIRHHRDQWFKCDDAVITKASIKDVL DSEGYLLFYHK
 QVLEPEPEKVKEMTPQAY

TRTRPLEQKLISEEDLAANDILDYKDDDDKVV

Chromatograms:

https://cdn.origene.com/chromatograms/mm9038_g11.zip

Restriction Sites:

SgfI-MluI

Cloning Scheme:


ACCN: NM_019461

ORF Size: 1314 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_019461.4](#), [NP_062334.2](#)

RefSeq Size: 3240 bp

RefSeq ORF: 1317 bp

Locus ID: 54651

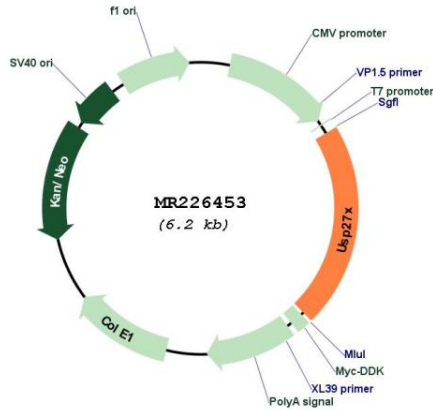
UniProt ID: [Q8CEG8](#)

Cytogenetics: X 3.31 cM

MW: 50 kDa

Gene Summary: Deubiquitinase that can reduce the levels of BCL2L11/BIM ubiquitination and stabilize BCL2L11 in response to the RAF-MAPK-degradation signal. By acting on BCL2L11 levels, may counteract the anti-apoptotic effects of MAPK activity.[UniProtKB/Swiss-Prot Function]

Product images:



Circular map for MR226453