

Product datasheet for **MR210839**

Usp43 (BC021474) Mouse Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Usp43 (BC021474) Mouse Tagged ORF Clone
Tag:	Myc-DDK
Symbol:	Usp43
Synonyms:	9130017K11Rik, B930051C24, RP23-464J2.1
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)



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**ORF Nucleotide
Sequence:**

>MR210839 ORF sequence

Red=Cloning site Blue=ORF Green=Tags(s)

 TTTTGTAAACGACTCACTATAGGGCGGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCC**CGCATCGCC**

 ATGGTTGCAGAGGAAGGAGGTGTCCCTGCAGAGGAGTGATCTTGGTTGAAGTGTATCCCAATGGATTCC
AGCGGTCACTCTTTGATGAAGAGGACCTGAATACCATTCAGAGGGTGACAATGTGTATGCTTTCCAAGT
CCCTCCCTCACCTGGTCTGGGGACGCTCTCAGCCCATCCGTCTGGTCTGTCAAGTGTACCGCGCTTGCCA
GTCCGTGACAGCCAGCGATTCTCTGGGCCTCTCCACAGCGAGAACAGGGTGGTCTTTCTCTCTGTAAAC
TGGTGGGCTCAGGGCAGCAGGCGAGCAGGTTTGGACCACCGTTCTTGATTCGGGAAGATAGAACAATCTC
CTGGGCCCAGCTTCAACAGTGTATTCTCAGCAAGGTTGATGCCTCATGAGGAGTGAGGTCTCTGCACAG
GACCTGGGACTCTGTTCTCCATCCGGTTGTGGGGCTCTCCTTGGCCTGCAGCTACTTATCTCCAAAGG
ACAACCGGCCCTTTGCCACTGGCAGTTGACAGGGCTTTGCACCTCAGGAGGCCAGGAGGCCCTCTCA
TGTCAGCTGGCTGTGGAATGGGACAGCTCTGTACAGAGCGCCTGTTTGGGAGCCTCAGGAGGAACGG
GTCCAGGATGCAGACAGTGTGTGGCGGCAGCAGAGGCACACCAGCAGCCAGCTGTACCTTGGACGAAT
GTTTTAGTCCTATACCAAGGAGGAACAGCTGGCCAGGATGATGCATGGAAGTGCCTCACTGCCAAGT
CCTCCAGCAGGGTGTGGTCAAGCTGAGTCTGTGGACTCTGCCCGACATCCTGATCATCCATCTGAAACGG
TTCTGTCAAGTGGGAGAGAGAAGGAACAAGCTCTCCACGCTGGTGAAGTTCCTCACTGTCTGGACTCAACA
TGGCTCCCATGTAGCACGGAGGAGCACCAACTCCAAGCGGGGGCCCGCCCTTGGTCTCTCTGGAAGCA
GCCGATCGCTCCCAACCACTACCGCTGGACTTCTCTACGACTTGTATGCTGTCTGCAACCAACCAT
GGCAGTCTGCAAGGTGGCATTACACAGCCTATTGCCGGAATCCCTGGACGGCCAGTGGTACAGCTATG
ACGACAGCACAGTGGAGGCCCTGCGAGAGGATGAGGTCAACACCAGGGGGGCTTACATCTATTCTACCA
GAAGCGGAACAGCATCCCTCCCTGGTCAGCCAGCAGCTCCATGAGAGGTTCCACCAGCTCCTCCTGTCT
GATCATTGGCTCATGAGACTCGGAGCCTCAACAACAGCACAAGGGGAAGCTTGTGTCTGGAGCTCGG
CCCCCTGCCCTCCGTGGCCCGGTACCGACTCTCTGTCTTACCAATGGTGTCTGCCACCAGGACAA
GGGAGGAGTTGAGACCAGACCTTTGGTTCGGGGTGTGGTGGCCGAAGTATCAGCATGAAGGCATCTCT
GCTTCCCGATCCAGGCATGGGCCCTTCAAGACCATGCCCTGAGGTGGTCATTTGGACACAGGGAGAAAC
GTCCCGGGGCATCCGTTGAAGTGGTGAATACCTAGAGTCCAGAAGAAGACCCCGTTCTACCAGCCAGTC
CATTGTGCCGCTCTTGAAGTGGTGAATACCTAGAGTCCAGAAGAAGACCCCGTTCTACCAGCCAGTC
CTTCTGTCTAAAAGTGAAGACAGCGGTCGAGCCATTGGGCAAGGAACAAGTGGGGTGGCCCTTTCTCAT
GCCACCTCAACCACCATCCAGCCCTGGGGTCTTTAGATGACAGTCTGCACACTGCCAGGACACGAACGGG
GAATGTAAGTCAGGATATCAGGCTCCCAAAAAGTTTGACCTGCCCTCACTGTGATGCCCTCAGTGGGG
GATGAAAAGCCAGCTCGCCCTGAGGGCCAGAAGATGACACCTTGAAGGGGAAGTACCCAGGTGGGAAGCC
AGAGTAGCCACCTTCCCTCCACTGGCTTGCTTAGAACTTTAAGGACAATGGCCAGGTACCTTACC
CAAGATGAAGTCTAAGGCTGCCATGGAGGAAAGGGCCCTGGCAAAGACAGGGGACAGGGGACATTCACT
CTTTTGAAGTCTGTGTTTTGGAAGAAAGAACACAAGAGGACTGTCAGGACTGAGAGCTCACCACAGCAC
CCCCAATCTCCCTAGGGAGTGACCGCTGAGCCCTGCCATGAATGAGCAGGCCGAGGTTTATCCCTGC
CCTCAGGATTCGAGAGAGCCAGCCAAGGGCCTGGGCAACCACATGGAGAGGGACATCAGATCTGCGCCC
AGCTCTCTCCACCTCCCCGAAAAGCCAGCAGGCCCTCGAGCCAGTACAGCTGGCACCTCACAAAGGA
CCATTCTGGGGAACAGATTTCTTATGGCACCTGCAGAGAGTGAAATACCACACCTTTCTTAGGTGCG
AAAGAAATCCTTACCTGAGTCCAGCTTC

 ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAATGATATCCTGGATT
ACAAGGATGACGACGATAAGGTTTAA

Protein Sequence:

>MR210839 protein sequence

Red=Cloning site Green=Tags(s)

MVAEEGGVPAEEVILVELYPNGFQRSFFDEEDLNTIAEGDNVYAFQVPPSPGLGTL SAHPSGLSVSPRLP
VRDSQRFSGPLHSENRVFLFCNLVSGGQASRFGPPFLIREDRTISWAQLQQCILSKVRCLMRSEVSAQ
DLGTLFSIRVVGLSLACSYLSPKDNRLCHWAVDRALHLRRPGGPPHVKLAVEWDSSVTERLFGSLQEER
VQDADSVWRQQAHQQPSCTLDECFQSYTKEEQLAQDDAWKCPHCQVLQQGVVKLSLWTLDPDILIIHLKR
FCQVGERRNKLSTLVKFPLSGLNMAPHVARRSTNSKAGPGWSSWKQPICLPTTYPLDFLYDLAYVCNHH
GSLQGGHYTAYCRNSLDGQWYSYDDSTVEALREDEVNTRGAYILFYQKRNSIPPWSASSSMRGSTSSSL
DHWLMRLGSLNNSTRGSLLSWSSAPCPSVARVPDSPVFTNGVCHQDKGGVETRPLVRGVGGRSISMKASP
ASRSRHGPFKTMPLRWSFGHREKRPASVELVEYLESRRRPRSTSQSIVPLLTRAAGGEETSASPRSDGT
LPAKSEDSGRAIGQGTGVPPLSSCHLNHHPALGSLDDSLHTARTRTGNVSQDIRLPKKFDLPLTVMPSVG
DEKPARPEGQKMPWKGSQVGSQSSPPSPSTGLLRNFKDNGPGLPKMKSKAAMEERAPGKDRGQGTFT
LLKSVFWKKEHKRTVRTESSPPAPPISLGSDRLSPAMNEQARGSSPALRIRESAPAKGLGNHMERDIRSAP
SSLHLPRKASRPRASTAGTSQRTIPGEQISYGT LQRVKYHTLSLGRKKS LPESSF

TRTRPLEQKLI SEEDLAANDILDYKDDDDKV

Restriction Sites:

Sgfi-MluI

Cloning Scheme:



ACCN:	BC021474
ORF Size:	2478 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.

Note: Plasmids are not sterile. For experiments where strict sterility is required, filtration with 0.22um filter is required.

RefSeq: [BC021474](#), [AAH21474](#)

RefSeq Size: 2948 bp

RefSeq ORF: 2480 bp

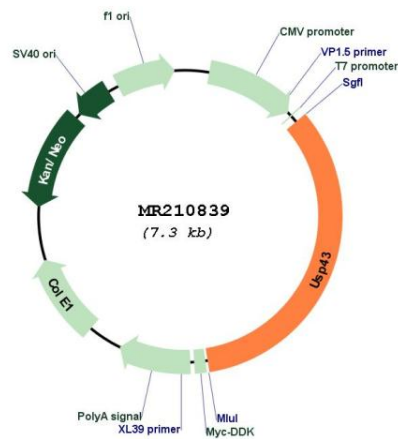
Locus ID: 216835

Cytogenetics: 11 B3

MW: 90.9 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 MR210839