

Product datasheet for **RR216849**

Usp22 (NM_001191644) Rat Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Usp22 (NM_001191644) Rat Tagged ORF Clone
Tag:	Myc-DDK
Symbol:	Usp22
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)



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ORF Nucleotide Sequence:

>RR216849 representing NM_001191644
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGATCGCC**

ATGGTGGCCAGGCCGAGCCTGAGGTCGAGGCCATGGACGCTGAGCTGGCGGTGGCGCCGCCAGGCTGCT
 CGCACCTGGGCAGCTTCAAGGTGGACAACCTGGAAGCAAAACCTGCGGGCCATCTACCAGTCTTCGTATG
 GAGCGGAAGTGGCAGGCTCGCAAGCGCAAGGCAAAAGTCTGTGTCTGCCATGTCTGCGGCATTACCTG
 AACCGGCTGCACTCTTGCTCTACTGTCTTCTTTGGCTGTTTCACGAAGAAGCACATCCATGACCATG
 CTAAGTCAAAGCGGCACAACCTGGCCATTGACCTGATGTATGGAGGATTTACTGCTTCTGTGCCAGGA
 CTACATCTATGACAAAGACATAGAAATCATTGCCAAAGAGGAGCAGCGCAAGGCTTGAAGATGCAAGGT
 GTTGGAGAGAAGTTTTGACTTGGGAACCAACTAAACGAGAGCTGGAGCTGTGAAGCACACCCGAAGA
 GCGGAAGATCACCTCCAACGCACCATAGGTCTGCGTGGACTGATCAACCTGGGAACACATGTTTCAT
 GAACTGCATCGTGCAGGCGCTAACCCACACGCGCTTCTGAGGGACTTCTTCTGTGCAGATAGGCACCGC
 TGTGAGATGCAGAGCCCCAGCTCCTGCCTGGTCTGCGAGATGTCTCTCTTCCAGGAGTTTTACTCGG
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 TTATGAGCAGCAGGACGCCATGAGTTCCTCATTGCAGCCCTGGACGCTCCTCCACCGGCACTGCAAAGGT
 GATGACAACGGGAAGAAAGCCAACAACCTAACCACTGCAATTGCATCATTGACCAGATCTTCACGGGTG
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 CAGTTTAGACCTGCCCGTCTTCCACCCATTCTGGCCCTTAAGCCCAGGGAGCGAGGGCAGTGTGTC
 AATGGGAGAGCCACGCGTCTGGGACCACACTCTCACAGACTGCCTGCGAAGATTTACCAGACCAGAAC
 ACTTAGGAAGCAGTGCCAAGATCAAGTGTAGTGGTTGCCATAGCTACCAAGAGTCCACAAGCAGCTCAC
 CATGAAGAAGCTACCCATTGTGGCTGTCTTCCATCTCAAACGATTTGAACACTCAGCCAAACTTCGGCGG
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 GCAGGATGAATGGGCAGTACCAGCAGCCCTGGACAGTCTCAACAATGACAACAAATACTCCTTGTTTGC
 TGTCGTTAACCACCAAGGGACCTTGGAGAGTGGCCACTACACCAGCTTCCATCCGGCAGCACAAGACCAG
 TGGTTCAAGTGTGATGACGCCATCATCACAAGGCCAGCATCAAAGATGTGCTGGACAGCGAAGGTACC
 TGCTCTTACCACAAACAGTTCCTGGAATATGAG

AG**CGGACCG**ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCC
 TGGATTACAAGGATGACGACGATAAGGTTTAA

Protein Sequence:

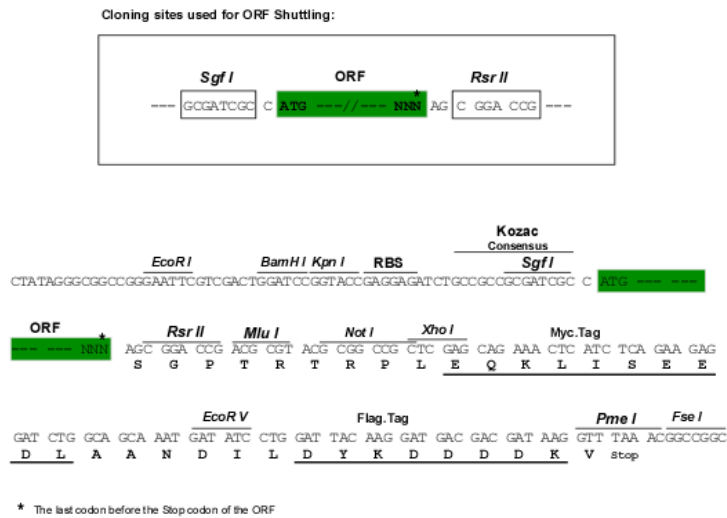
>RR216849 representing NM_001191644
 Red=Cloning site Green=Tags(s)

MVARPEPEVEAMDAELAVAPPGCSHLGSKVDNWKQNLRAIYQCFVWSGTAEARKRKAKSCVCHVCGIHL
 NRLHSLCYCVFFGCFTKKHIHDHAKSKRHNLAIDLMYGGIYCFQCQDYIYDKDIEIIAKEEQRKAWKMQG
 VGEKFWSTWPTKRELELLKHNPKRKITSNCTIGLRGLINLGNFCMNCIVQALTHTPLLRDFFLSDRHR
 CEMQSPSSCLVCEMSSLFQEFYSGHRSPHIPYKLLHLVWTHARHLAGYEQQDAHEFLIAALDVLHRHCKG
 DDNGKKANNPNHCNCIIDQIFTGGLQSDVTCQVCHGVSTTIDPFWDISLDLPGSSPFWPLSPGSEGSV
 NGESHASGTTTLDCLRFRTRPEHLGSSAKIKCSGCHSYQESTKQLTMKKLPVACFHLKRFEHSACLRR
 KITTYVSFPLEDMTPFMASKESTRMNGYQQPLDSLNNNDNKYSLFAVVNHQGTLESGHYTSFIRQHKDQ
 WFKCDDAIITKASIKDVLDEGYLLFYHKQFLEYE

SGPTRTRPLEQKLISEEDLAANDILDYKDDDDKV

Restriction Sites:

Sgfl-RsrII

Cloning Scheme:


ACCN: NM_001191644

ORF Size: 1575 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_001191644.1](#), [NP_001178573.1](#)

RefSeq Size: 1578 bp

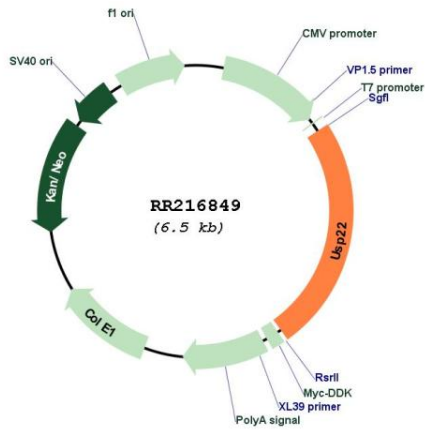
RefSeq ORF: 1578 bp

Locus ID: 303201

Cytogenetics: 10q22

MW: 59.9 kDa

Product images:



Circular map for RR216849