

Product datasheet for MR219575

Usp35 (NM_001177412) Mouse Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Usp35 (NM_001177412) Mouse Tagged ORF Clone
Tag:	Myc-DDK
Symbol:	Usp35
Synonyms:	Gm493; Gm1088
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
ORF Nucleotide Sequence:	>MR219575 representing NM_001177412, codon optimized . Due to the complexity of NM_001177412, the ORF clone is codon optimized for mammalian Expression. The nucleotide sequence differs from the reference sequence, yet the amino acid sequence remains identical.

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

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGATCTGCC
GCC**CGATCGCC**

ATGGATAAAATACTGGAAGCAGTGGTACTAGCAGTTACCTGCCAGTGTGAAGCAGGGACTGGTGAGAA
GAGTGTGGAGGCCGCCAGACAGCCCTTGAGCGCGAACAGTGTTTGGCACTCCTCGCTCTGGGAGCTAG
GCTGTACGTGGGGGTACCGAAGAACTCCCAGGAGAGTGGGCTGCCAGCTGCTCCATGTTGCCGGCCGG
CATCATCCCGACGTGTTTGCCGAGTTCTTCAGCGCTAGGCGCGTCTGCGCCTTCTTCAGGGGGGCGCTG
GACCTCCTGGTGCAGAGCACTGGCCTGCGTTCAGCTCGGGTTGCAACTTTGCCTGATGGCCCTGCCCG
GGACGAGGTCTTCGCCCTGCTCCGACGGGAGGTACTGAGAAGTGTGTAACGGCCGGGCCCGCTGCT
TGTGCTCAGGTGGCCCGCTGTTGGCTAGGCACCCAGCTGTGTGCCAGACGGTGCCACAGGCTGCTCT
TCTGCCAACAGTTGTGAGATGCTGGCAGATTTAGGTGCTCTGCCAAGGTGAGGAGGGCGCAGTAGA
GTTCTTGAGCAGGCCAACAGGTGTCGGGCTGCTCGCGCAGTTGTGGAGAGCACAGCCCGCCGCATC
CTCCCTTGCTGAAAGAGCTTTTTGCCGTGATCTCCTGTACCGAGGAAGGCCACCTCTAGTGCCCTCG
CCTCAGTGGTACAGCATTTCCCTTGAATTGATGGATGGTGTGGTCCGGAACCTCAGCAATGATGATAG
TGTGACAGACTCCAGATGCTGACTGCCATTAGCAGGATGATCGACTGGGTGCTCTGGCCCTGGGGAAG
AACATTGACAAGTGGATCATTGCCCTGCTGAAGGGCTGGCTGCTGTTAAGAAGTTCAGCATCTTGATCG
AGGTTTCGCTCGCAAAATTGAGAAGTCTTCTAAGCTGCTGTACCCATCGTGCGGGGAGCTGCCCT
ATCTGTCTTAAGTACATGCTCCTGACTTCCAGCACTCCATGAGGCCCTCCACCTGCTTCTCCCTCAC
ATTCGCCCATGGTGGCCTCTCTGGTCAAGGAGGACTCGAACTCTGGGACCAGCTGCCTGGAGCAGCTGG



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CAGAGCTGGTGCCTGCATGGTGTTCGGTTCCTCCGGGCTTCCCAGACCTGTATGAGCCTGTCATGGAAGC
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 CCACCGCCGCTCGGCTCCGTGATGCTCCCCACGGAGGATGTGCGAGTCCAGGAGTTGACTGGCTCCC
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 GTGAAGGTGTGGACACCATAGGCACTGGTGGACGGAGTGGGCAGGAGAAGGTGGAGAGGAGCAGGCTGG
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 CTCGGCCAGCTCCTGTCTGGGATCCACAGAGAGGCCCTGAGCCTGAGAACCAGTGGTACCTTTAATGA
 TACCCGGTGTCTTACTCATCTTTGAGTCTGTGAGCAATGTCACCTCTTCTTCCCTAAGGACACTGCC
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 GGAGAAGGAGGCCCGGAGCAGGGCAGCTTATATCTCTACACTCCCTGCCCTCCACTGGGGTAGGGG
 TTCGATGAAGACAAGATGAGGATGAAGGCTCACCAGGGGCTGCAACCTGCAGGTGGCAATGTTGACT
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ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAATGATATCCTGGATT
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Protein Sequence:

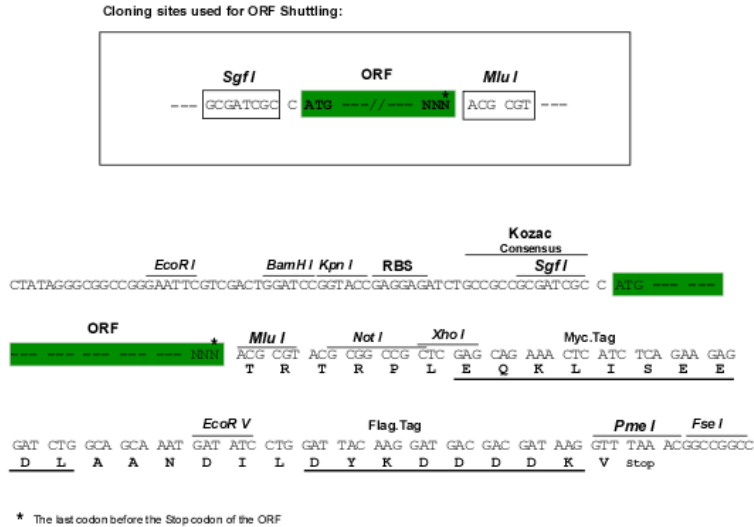
>MR219575 representing NM_001177412
 Red=Cloning site Green=Tags(s)

MDKILEAVVTSSYPASVKQGLVRRVLEAARQPLEREQCLALLALGARLYVGGTEELPRRVCQLLHVAGR
 HHPDVFAEFFSARRVLRLLQGGAGPPGARALACVQLGLQLLPDGPAADEVFALLRREVLRTVCERPGPAA
 CAQVARLLARHRCVPDGAHRLLFQQLVRCLGRFRCPAEEGEGAVEFLEQAQVVSGLLAQLWRAQPAAI
 LPCLKELFAVISCTEEPPSSALASVQHLPLELMDGVVRNLSNDDSVTDSQMLTAISRMIDWVSWPLGK
 NIDKWIALLKGLAAVKKFSILIEVSLAKIEKVFSKLLYPIVRGAALSVLYKMLLTFQHSHEAFHLLLPH
 IPAMVASLVKEDSNSGTSCLQLAELVHCVFRFPDLYEPVMEAIKDLHIPNEDRIKQLLGGQDAWTS
 QKSELAGFYPRMLMAKSDTGKIGL INLGNTRYVNSVLQALFMSDFRHCVLRLTENNSQPLMTKLQWLF
 LEHSQRPAISPENFLSASWTPWFSPTGQDCSEYLYLLDRLHEEEKTGMRICQKLKQSSLPSPQEELPS
 SNATSVEKMFGGKIVTRICCLHCLNVSSREEAFDLSLAFPPERSRHRRLGSVMLPTEDVRVQELTLAP
 RAPGAQRQRKRCITGDAPRTGLDSEGVDTIGTGGRSQGEKVEREQAGKEKEVAEDREEEGTREEEKEGE
 EKDKKEKKEDEKEKEAENGKEKEGDSLPGTHREAATPPREQTGPEGSRVLDLVNYFLSPERLTAEN
 RYYCESASLQDAEKVVVLSQGPVYLLTLLRFSDLRTRRRKILDDVTIPLLLRPLAGGQGGAYDLC
 SVVVHSGVSSSEGHYYCYAREGAARPAPVLGSTERPEPENQWYLFNDTRVSYSSFESVSNVTSFFPKDTA
 YVLFYRQRPREDPAAEPGSPRVRAEPTLHKDLMEAIKDNVLYLQEQEKEARSRAAYISTLPAPPHWGRG
 FDEDKDEDEGSPGGCNPAGGNGDFHRLVF

TRTRPLEQKLI SEEDLAANDILDYKDDDDKV

Restriction Sites: SgfI-MluI

Cloning Scheme:



ACCN: NM_001177412

ORF Size: 3027 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_001177412.1](#), [NP_001170883.1](#)

RefSeq Size: 3982 bp

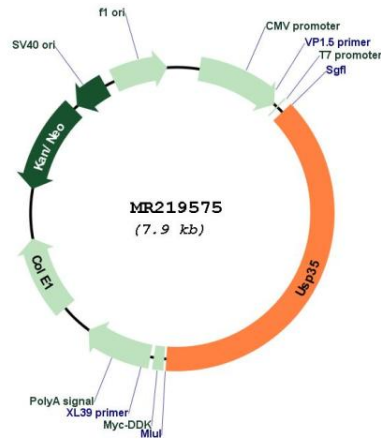
RefSeq ORF: 3030 bp

Locus ID: 244144

Cytogenetics: 7 E1

MW: 112.5 kDa

Product images:



Circular map for MR219575