

Product datasheet for **RC238509**

USP30 (NM_001301175) Human Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	USP30 (NM_001301175) Human Tagged ORF Clone
Tag:	Myc-DDK
Symbol:	USP30
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
Cell Selection:	Neomycin



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ORF Nucleotide Sequence:

>RC238509 representing NM_001301175
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**GCGATCGCC**

ATGAAGAACTGGGGAGTTATAGGTGGAATTGCTGCTGCTCTTGCAGCAGGAATATATGTTATTTGGGGTC
 CCATTACAGAAAAGAAAGAGCGTAGAAAAGGGCTTGTGCCTGGCCTTGTTAATTTAGGGAACACCTGCTT
 CATGAACTCCCTGCTACAAGGCCTGTCTGCCTGTCTGCTTTTCATCAGGTGGCTGGAAGAGTTCCACCTCC
 CAGTACTCCAGGGATCAGAAGGAGCCCCCTCACACCAGTATTTATCCTTAACACTCTTGCACCTTCTGA
 AAGCCTTGTCTGCCAAGAAGTTACTGATGATGAGGTCTTAGATGCAAGCTGCTTGTGGATGTCTTAAG
 AATGTACAGATGGCAGATCTCATCTTTGAAGAACAGGATGCTCACGAATTATCCATGTCATTACCTCG
 TCATTGGAAGATGAGCGAGACCGCCAGCCTCGGGTCACACATTTGTTGATGTGCATTCCCTGGAGCAGC
 AGTCAGAAATAACTCCCAAACAATTACCTGCCGACAAGAGGGTCACCTCACCTACATCCAATCACTG
 GAAGTCTCAACATCCTTTTCATGGAAGACTCACTAGTAATATGGTCTGCAAACACTGTGAACACCAGAGT
 CCTGTTGATTTGATACCTTTGATAGCCTTTCCTAAGTATTCCAGCCGCCACATGGGGTACCCATTGA
 CCCTGGACCCTGCCCTTACCCTTCATCTCATCAGAATCAGTGCGGGATGTTGTGTGTGCAACTGTAC
 AAAGATTGAAGCCAAGGGAACGTTGAACGGGAAAAGGTGGAACACCAGAGGACCACTTTTGTAAACAG
 TAAAACCTAGGGAAGCTCCCTCAGTGTCTCTGCATCCACCTACAGCGGCTGAGCTGGTCCAGCCACGGCA
 CGCCTCTGAAGCGGCATGAGCACGTGCAGTTCAATGAGTTCCTGATGATGGACATTTACAAGTACCCT
 CCTTGGACATAAACCTAGTCAACACAACCTAACTGAACAAGAACCAGGGCTACACTGGAGCTGCAG
 GATGGGCCGGGAGCCCCACACCACTTGAATCAGCCAGGGGCCCCCAAACACAGATTTTATGAATG
 GCGCTGCTCCCATCTTTATTGCCAACGCTGTACGCGCCGATGCCCTTCCCTCTCCAGTGTGTTCCCGA
 CTACAGCTCCTCCACATACCTCTCCGGCTGATGGCAGTTGTCTGCCACCATGGAGACATGCACTCTGGA
 CACTTTGTCACTTACCGACGGTCCCCACCTTCTGCCAGGAACCCTCTCTCAACTAGCAATCAGTGGCTGT
 GGGTCTCCGATGACACTGTCCGCAAGGCCAGCCTGCAGGAGGCTCTGCTCTCCAGCGCTACCTGTGT
 CTACGAGCGCTCCTTTCCAGGATGCAGCACCAGGCCAGGAGTGCAAGTCTGAAGAA

ACGCGTACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAATGATATCCTGGATT
 ACAAGGATGACGACGATAAGGTTTAA

Protein Sequence:

>RC238509 representing NM_001301175
 Red=Cloning site Green=Tags(s)

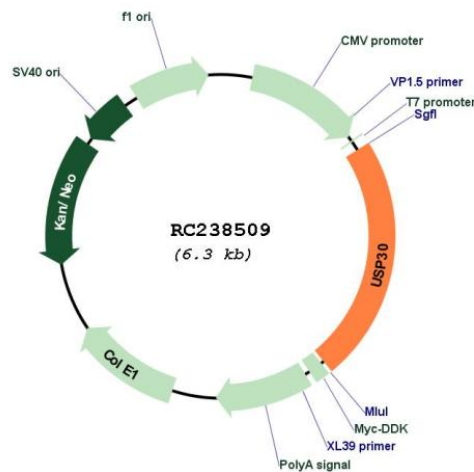
MKNWGVIGGIAAALAAGIYVIWGPITERKKRRKGLVPGLVNLGNTCFMNSLLQGLSACPAFIRWLEEFST
 QYSRDQKEPPSHQYLSLTLHLKALSCQEVTDDEVLDASCLLDVLRMYRWQISSFEEQDAHEL FHVITS
 SLEDERDRQPRVTHLFDVHSLEQQSEITPKQITCRTRGSPHPTSNHWKSQHPPFHGRLTSNMVCKHCEHQS
 PVRFDTFDSL SLSIPAATWGHPLTLDHCLHHFISSESVRDVVCDNCTKIEAKGTLNGEKVEHQRTTFVKQ
 LKLKLPQCLCIHLQRLSWSSHGTPLKRHEHVQFNEFLMMDIYKYHLLGHKPSQHNPKLNKNPGPTLELQ
 DGPGAPTPVLNQPAPKTQIFMNGACSPSLLPTLSAPMPFPLPVVPDYSSSTYLFRLMAVVVHHGDMHSG
 HFVYRRSPPSARNPLSTSNQWLWVSDDTVRKASLQEVLSSSAYLLFYERVLSRMQHQSQECKSEE

TRTRPLEQKLISEEDLAANDILDYKDDDDKV

Restriction Sites:

Sgfl-MluI

Cloning Scheme:

Plasmid Map:


ACCN: NM_001301175

ORF Size: 1458 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:	<ol style="list-style-type: none">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:	<u>NM_001301175.1</u> , <u>NP_001288104.1</u>
RefSeq Size:	4145 bp
RefSeq ORF:	1461 bp
Locus ID:	84749
UniProt ID:	<u>Q70CQ3</u>
Cytogenetics:	12q24.11
Protein Families:	Protease, Transmembrane
MW:	55.6 kDa
Gene Summary:	USP30, a member of the ubiquitin-specific protease family (see USP1, MIM 603478), is a novel mitochondrial deubiquitinating (DUB) enzyme (Nakamura and Hirose, 2008 [PubMed 18287522]).[supplied by OMIM, Dec 2008]