

Product datasheet for **RC232228**

USP15 (NM_001252079) Human Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	USP15 (NM_001252079) Human Tagged ORF Clone
Tag:	Myc-DDK
Symbol:	USP15
Synonyms:	UNPH-2; UNPH4
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
Cell Selection:	Neomycin
ORF Nucleotide Sequence:	>RC232228 representing NM_001252079 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCC**CGATCGCC**

ATGGCGGAAGGCGGAGCGCGGATCTGGACACCCAGCGGTCTGACATCGCGACGCTGCTCAAACCTCGC
TCCGAAAGGGGACACCTGGTACCTAGTCGATAGTCGCTGGTTCAAACAGTGGAATAATGTTGGCTT
TGACAGTTGGGACAAATACCAGATGGGAGATCAAATGTGTATCCTGGACCCATTGATAACTCTGGACTT
CTCAAAGATGGTATGCCAGTCACTTAAGGAACACCTTATTGATGAATTGGATTACATACTGTTGCCAA
CTGAAGGTTGGAATAAACTTGTACAGCTGGTACACATTGATGGAAGGTCAAGAGCCAATAGCACGAAAGGT
GGTTGAACAGGGTATGTTTGTAAAGCACTGCAAAGTAGAAGTATATCTCACAGAATTGAAGCTATGTGAA
AATGGAACATGAATAATGTTGTAACCTCGAAGATTTAGCAAAGCTGACACAATAGATACAATTGAAAAGG
AAATAAGAAAAATCTTCAGTATTCAGATGAAAAGGAGACCAGATTGTGGAACAAATACATGAGTAACAC
ATTTGAACCACTGAATAAACCAGACAGCACCATTCCAGGATGCTGGTTTATACCAAGGACAGGTATTAGTG
ATAGAACAGAAAAATGAAGATGGAACATGGCCAAGGGTCTTCTACTCCTAAAAAGCCACTAGAGCAGA
GTTGC

ACGCGTACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
ACAAGGATGACGACGATAAGGTTTAA



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Protein Sequence: >RC232228 representing NM_001252079
Red=Cloning site Green=Tags(s)

MAEGGAADLDTQRSDIATLLKTSRKGDTWYLVDSRWFKQWKYVGFDSWDKYQMGDQNVYPGPIDNSGL
 LKDGDAQSLKEHLIDELDYILLPTEGWNLVSWYTLMEGQEPiARKVVEQGMFVKHCKVEVYLTELKLC
 NGNMNNVVTRRFKADTIDTIEKEIRKIFSIPEDEKETRLWNKYMSNTFEPLNKPDSITQDAGLYQGQVLY
 IEQKNEDGTWPRGPSTPKKPLEQSC

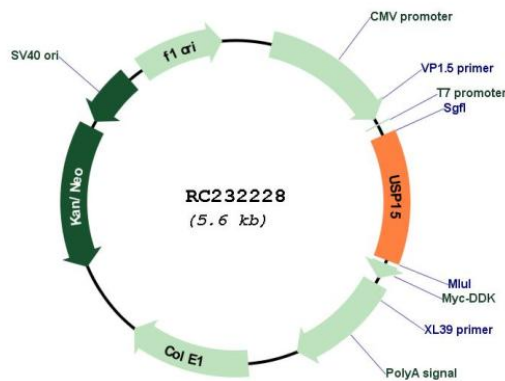
TRTRPLEQKLISEEDLAANDILDYKDDDDKV

Restriction Sites: SgfI-MluI

Cloning Scheme:



Plasmid Map:



ACCN: NM_001252079
ORF Size: 705 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:	NM_001252079.1 , NP_001239008.1
RefSeq Size:	2286 bp
RefSeq ORF:	708 bp
Locus ID:	9958
UniProt ID:	Q9Y4E8
Cytogenetics:	12q14.1
Protein Families:	Druggable Genome, Protease
MW:	27.5 kDa
Gene Summary:	This gene encodes a member of the ubiquitin specific protease (USP) family of deubiquitinating enzymes. USP enzymes play critical roles in ubiquitin-dependent processes through polyubiquitin chain disassembly and hydrolysis of ubiquitin-substrate bonds. The encoded protein associates with the COP9 signalosome, and also plays a role in transforming growth factor beta signalling through deubiquitination of receptor-activated SMAD transcription factors. Alternatively spliced transcript variants encoding multiple isoforms have been observed for this gene, and a pseudogene of this gene is located on the long arm of chromosome 2. [provided by RefSeq, Nov 2011]