

Product datasheet for **RN214497**

Uvssa (NM_001134558) Rat Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Uvssa (NM_001134558) Rat Untagged Clone
Tag:	Tag Free
Symbol:	Uvssa
Synonyms:	RGD1306371
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
Cell Selection:	Neomycin



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Fully Sequenced ORF: >RN214497 representing NM_001134558
 Red=Cloning site Blue=ORF Orange=Stop codon

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGATCGCC**

ATGGATCAGAACTTTACAGTTGATAGAGGAGCTCACAACCTCAGGAGAATCCCAACTGAATGCTCAGA
 AAATGAAGGAACTGAAGAAAATTTGCAAGTCTTCAGAGGAGCAGCTGAGCCATGCCTACCGCCTGCTAAT
 GACACAGCTGACCCAGGACCACGCTGAGATCCGCCTCTCAGCCTTCCAGATCGTGGATGAGCTCTTCACC
 CGGTCCCATCAGTTCAGAGTGCTGCTTGTCTGACTTCCAGGAATTCCTGGAGCTCACACTGGGCACAG
 ACAATGACCATCCCTTGCCACCCCTCGGGAGGCAGCTCAGAGGCTAAGGCAGGCAGCCATGCAAGCTGT
 GGAAGGTTGGAATGAGAAGTTTGGGAAGCCTATAAGAAGCTAGCCTTGGGCTACCATTCTAAAAACAC
 ACCAAAAAGGTGGATTTTCGGGATATAAATGTTAGGACTCTGGCAGAAAGGAAGCGAGAAGAGGAGAAGC
 AGAAGCACTTGGATAAGATCCACAGAGAAAGTGTGACCGGGCTAAGAGGGAGATGGAAGAAATGTCTGA
 TGAATTGGATGCTGCCTGACAGAAGTGGAGAAGTCTTAGGCTGCTGGTGCCTTGGATTTGGGCCCCG
 TACCGAGAGGATAAGTTCTTTGGTGAAGGATCTGGCATAGCAGAGGACCATGCTCCTTGCCTGGAGCC
 CAGACCTGGCAACTCCCCGAGGGTCTGGTCTCTCTGGACCCAGGATGAAGAGCAGCCATGCTGTAGCAA
 GGACCTGGTTGCCTCTGCACACCATGCAGGATCTGCAGTTGGTCTGAAGGCACCAGCCCCAGCAGCCACG
 GAAGACCCTGCAGGGATGAAGACAGACACAGCGAACACAGCGACCCAGAGGATTTCTGCGGAGCCATG
 GGCTGGCTCCCACAAGTACACGCTGGACGTGGAACCTCCCTCAGACGGTCTGAAGGTACAGGAGAATGA
 AGACAACCTGGCCGTGCTCCACGCTGCTCGAGACTCGCTCAAACCTCATCCAGAACAAAGTTTCTGCCAGCG
 GTGTGCTCCTGGTCCAGCGTTTACCCGTGCAGGGATCTACAGTGGACATTTAAAGCAGGCCATTGACC
 TGAAAATGGAAGTGAACCTTGTCTGAAGAAATATGAAGAACTGAACATTGAGCCTGGGAGAGCAAAAG
 GAGCAGGACAGAAAGCACTGGAGGACAGTGAAGGAGGAGGACCAGGACTTCGTGGAGGTTCCAGAGAAAGAG
 GGTACGAGCCTCGAATCCCCGACCATCTACGAGCTGAATATGGGCTGGAGCCAAAGGCCCCACTGAAGA
 CTCTGGAGAAACATACAGCTGTATGTAGCGTACAGGAGAGGACCAGGAGGAGAAGGGAAGAGGAGGCCTC
 AGACCCACCTCTGCAGCTGCCAGATGTTGCGGCTCCAGGACTGCTTGTATCTCCCTCCTCCTCTCT
 ACCAGGGACCTCTGGGACCAGAAGAAGCCAGAAGCAAGCGGAGCGAGCCCGAGACCCATGGTGCCTT
 TCGGAGTGGACCTGTGCTACTGGGGCCAGGAGCAGCTAACAGCTGGGAAGATTCTTAAATCCGACTCTCA
 ACACCGCTTCTGGAACCCACGAGGTAGAGGAAGAGGTGGACAGTGCCTATGTTTCTGAGATGCTCCAC
 AGCCGACACATTACCTTTTCTGGGAAATTCGAGCCTGTGCAGCACAAGTCCCGGGCCCTCAGGCCTAATG
 GCAAGGCTCTGCGAGCGCCAGGATCGGCTGAAGTGCCCGTTCCATGGGAAGATCATCCCAGAGATGACAA
 GGGGCAGCCTCTCAACCTGAAGACAGAGCCCGTGAACAGAGGCAGCAGCTTCAGCAGAACCGGGACAT
 CCAGATTGGCAGGACCCTGAGTTTATGAAGGACGTGGAGGCAGCCACAGGGGTGGACCTCGGTTCTCCA
 AGTATAGCAAGAAGGGCAAAGGGAAAAAGAAAGCACCACCTCACTGACCTTCGAGAACGTGCCAA
 CACTGCCCCGAGCCCGCTTGAGAAGAAGTCTTTGCCAAGAGCTGTGCAGAGAGTGTGCTGCCATGAA
 CCAGATGGACCAGAAGAAGCAGCAGAGAAGTTTGCAATCAATTA**AA**

ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
 ACAAGGATGACGACGATAAGGTTTAA

Restriction Sites: SgfI-MluI
ACCN: NM_001134558
Insert Size: 2145 bp

OTI Disclaimer: Our molecular clone sequence data has been matched to the reference identifier above as a point of reference. Note that the complete sequence of our molecular clones may differ from the sequence published for this corresponding reference, e.g., by representing an alternative RNA splicing form or single nucleotide polymorphism (SNP).

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_001134558.1, NP_001128030.1</u>
RefSeq Size:	2632 bp
RefSeq ORF:	2145 bp
Locus ID:	314061
UniProt ID:	<u>D3ZND0</u>
Cytogenetics:	14q21
Gene Summary:	Factor involved in transcription-coupled nucleotide excision repair (TC-NER) in response to UV damage. TC-NER allows RNA polymerase II-blocking lesions to be rapidly removed from the transcribed strand of active genes. Acts by promoting stabilization of ERCC6 by recruiting deubiquitinating enzyme USP7 to TC-NER complexes, preventing UV-induced degradation of ERCC6 by the proteasome. Interacts with the elongating form of RNA polymerase II (RNA pol Ilo) and facilitates its ubiquitination at UV damage sites, leading to promote RNA pol Ilo backtracking to allow access to the nucleotide excision repair machinery. Not involved in processing oxidative damage (By similarity).[UniProtKB/Swiss-Prot Function]