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Product datasheet for MC221014

Uvssa (NM_001081101) Mouse Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Uvssa (NM_001081101) Mouse Untagged Clone
Tag:	Tag Free
Symbol:	Uvssa
Synonyms:	4933407H18Rik; D330017J19Rik; Kiaa1530; mKIAA1530
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)

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Fully Sequenced ORF:

>MC221014 representing NM_001081101
Red=Cloning site Blue=ORF Orange=Stop codon

TTTTGTAATACGACTCACTATAGGGCGGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCCGCGATCGCC

ATGGATCAGAAACTTTCACAGTTGATAGAGGAGCTCACAACTTCAGGAGAATCCCAACTCAATGCTCAGA
AAATGAAGGAACTGAAGAAAATTTGCAAGTCTTCCGAGGAGCAGCTGAGCCATGCCTACCGCCTGCTGAT
CACACAGCTGACCCAGGGCCATGCCGAGATCCGCCTCTCGGCCTTCCAGATCGTGGATGAGCTCTTCACC
CGCTCTCATCAGTTCAGAATGCTGCTTGTTTCTGACTTCCAGGAATTCCTCGAGCTCACACTGGGCACAG
ATAGTGACCGTCCCCTGCCACCCCCTCGGGAGGCAGCTCAGAGGCTAAGGCAGGCAGCCATGCAAGCTGT
GGAAGGTTGGAATGAGAAGTTTGGGCAGGCCTATAAGAAGCTAGCCTTGGGCTACCACTTCCTAAAACAC
ACCAAAAAGGTAGATTTTCGGGATATAAATGTTAGGACTGTGGCAGAAAGGAAGCGAGAAGAGGAGAAGC
AGAAGCACCTGGATAAAATCCACAGAGAAAGTGCAGACCGGGCTAAGAGGGAAATGGAAGAAATGTATGA
TGAAATTGAATGCTGCCTGACAGAAGTGGAGAACTGCTTTAAGCTGCTGGTGCCCTTGGATTTTGTACCA
TGCCCAGAGGATAAATTCTTTGGTGAAGCGTCTAGCATGACAGAGGGCTATGCTCCTTGCCCCTTGAGCC
CGGACCTGGCCACTCCCCGTGAGTCTGGTCTCTCTGGACCCCAGGATGAAGAGCAGCCATGCTGTAGCAA
GGACCTGGTTGCCTCTGCATACCATGTAGGATCTGTTGTTGGTCTGAAGGCACTACCCCAAACAGCCATG
AAAGACTCCTCCAGGGATGAGGACGAACCCAGCGACCCGGATGATTTCCTGCGGAGCCATGGACTGGGTT
CCCACAAGTACACGCTGGATGTTGAAGTCCCCTCAGATGGTCTGAAGGTTCAGGAGAATGAAGACAACCT
TGCTGTGCTCCATGCTGCTCGGGACTCGCTCAAACTCATCCAGAACAAGTTTCTGCCAACTGTGTGCTCC
TGGGTCCAGCGGTTTACCCGTGCAGGGACCTACAGTGCACATTTAAAACAGGCCATTGACCTGAAAATGG
AACTGGAACTTGCCCTGAAGAAGTATGAAGAACTGAACATTGAGCCTGGGAGAGGACAGAGGAGCAGGAC
AGAAGCACTGGAGGACAGTGAGGATGAGGATCAGGACTTTGTGGAGGTCCCAGAGAAAGAGGGTTATGAG
CCTCGAATCCCTGACCATCTACGAGCTGAATATGGGCTGGAGCCAAAGGCCCCACTGAAGACTCTGGAGA
AAGGTACAGCTGTATGTAAGTTACAGGAGAGGACCAGGATGAGAAGAGAAGAGGAGGCCTCAGACCCCAC
CTCTGCAGCTGCCCAGATGTTGCGGCTCCAGGACTGCTTATCATCTCCCTCTCCCTCCTCTACCAGGGTA
CTTCCTGGGCCAGAGGAAGCCCAGAAGCAAGCAGAGCGAGCCCGAGCACCCATTGTACCCTTCGGAGTGG
ACCTGTGTTACTGGGGCCAGGAGCAGCTAACAGCTGGAAAGATTCTTAAATCTGACTCTCAACACCGCTT
CTGGAAACCCAGCGAGGTGGAGGAAGAGGTGGACAGTGCCCATGTTTCTGAGATGCTCCATAGCCGACAC
ATTACCTTTTCAGGGACGTTTGAGCCTGTGCAGCACAAGTGCCGGGCCCTGAGGCCTAATGGCAGGCTCT
GCGAGCGCCAGGATCGACTGAAGTGCCCATTCCATGGGAAGATCATCCCCAGAGATGACAAGGGGCAGCC
TCTCAACCCAGAAGACAGAGCCCGTGAACAAAGGCAGCAGCTTCAGCGGCAGCAGGCACATCCAGATTGG
CAGGACCCTGAGTTTCTGAAGGACGTGGAAGCAGCCACAGGGGTGGACCTCGGTTCATCCAGGTCCAGCA
AGAAAGGCAAAGGGAAAAAGAAGAAGCACCCTAACCTCACGGATCTGCGAGAGCGCACCAACACCGCCCG
GGCCCGCCTTGAGAAGAAGGTCTTTGCCAAGGCAGCCGTGCAGAGAGTAGTTGCTGCCATGAACCAGATG
GACCAGAAGAAACACGAGAAGTTTGCAAACCAATTTAATTATGCGCTGAAGTAA

ACGCGTACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
ACAAGGATGACGACGATAAGGTTTAA

Restriction Sites: SgfI-MluI

ACCN: NM_001081101

Insert Size: 2154 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:	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_001081101.2, NP_001074570.1
RefSeq Size:	7343 bp
RefSeq ORF:	2154 bp
Locus ID:	71101
UniProt ID:	Q9D479
Cytogenetics:	5 B1
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 IIo) and facilitates its ubiquitination at UV damage sites, leading to promote RNA pol IIo backtracking to allow access to the nucleotide excision repair machinery. Not involved in processing oxidative damage (By similarity).[UniProtKB/Swiss-Prot Function] Transcript Variant: This variant (1) represents the longest transcript. Variants 1 and 2 both encode the same protein. Sequence Note: This RefSeq record was created from transcript and genomic sequence data to make the sequence consistent with the reference genome assembly. The genomic coordinates used for the transcript record were based on transcript alignments.