

## Product datasheet for **RG210690**

### **KIAA1530 (UVSSA) (NM\_020894) Human Tagged ORF Clone**

#### **Product data:**

Product Type:	Expression Plasmids
Product Name:	KIAA1530 (UVSSA) (NM_020894) Human Tagged ORF Clone
Tag:	TurboGFP
Symbol:	KIAA1530
Synonyms:	KIAA1530; UVSS3
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-AC-GFP (PS100010)
E. coli Selection:	Ampicillin (100 ug/mL)



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ORF Nucleotide  
Sequence:

>RG210690 representing NM\_020894  
Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC  
GCCGCGATCGCC

ATGGATCAGAACTTTTCAAGTTGGTAGAAGAGCTCACAACCTCAGGAGAACCCCGACTAAATCCTGAGA  
AAATGAAGGAACTGAAGAAAATTTGCAAGTCTTCAGAGGAGCAGCTGAGCCGCGCTACCGCCTGCTGAT  
AGCACAGCTGACCCAGGAGCAGCCGAGATCCGCTCTCAGCCTTCCAGATTGTGGAGGAACTCTTCGTC  
AGGTCTCACCAGTTCGGATGCTGGTTGTTTCCAACCTCCAGGAGTTCCTGGAGCTCACGCTGGGCACAG  
ACCCCGCACAGCCTCTGCCGCCCCAGGGAGGCGGCACAGAGGCTGAGGCAGGCGACCACCCGGGCCGT  
GGAAGGGTGAATGAGAAGTTTGGGGAGGCTACAAGAAGCTTGCCTTGGGCTACCATTCTTAAGACAC  
AACAAAAAGGTGGATTTTCAAGACACGAATGCTCGGAGTCTGGCAGAAAGGAAGAGAGAAGAGGAGAAGC  
AGAAGCACTTGGATAAAATTTATCAAGAAAGAGCCAGCCAGGCGGAGAGGGAGATGCAAGAAATGTCTGG  
AGAAATGAATCCTGCTTACGAGGAGTACAGAGCTGCTTAGGCTGCTGGTGCCTTTTACTTTGACCCG  
AACCCGGAGACGGAATCCCTTGGCATGGCTTCTGGCATGTCCGATGCCCTTCGCTCCTCTCGCCGGGCC  
AGGTGGGCCCCTGCCGGTCTGGCACCCCTGACCCCGGAGCGGGAGCAGCCCTGCTGCAGTAGAGACCT  
GCCTGCCTCTGCAGGCCACCCAGAGCGGGCGCGGGGCACAGCCATCCCAGACAGCCACAGGTGACCCC  
TCAGATGAGGACGAGGACAGCGACCTCGAGGAGTTTGTGCGGAGCCACGGGCTGGGCTCGACAAGTACA  
CGCTGGATGTGGAGCTCTGCTCAGAGGGCTGAAGGTGCAGGAGAACGAGGACAACCTTGCCTCATCCA  
CGCCGCCCGCAGACACTCAAGCTCATCCGAAACAAGTTCTGCCGGCTGTGTGCTCGTGGATCCAGCGC  
TTCACCCGCTCGGGACCCAGGTGGATGTTTAAAGCGTGCCATTGACCTGAAGGCTGAATTGGAGCTCG  
TACTGAGAAAATACAAGGAGCTGGACATCGAGCCTGAGGGAGGGGAAAGGCGCAGGACAGAAGCCCTGGG  
GGATGCGGAGGAAGATGAGGACGATGAGGACTTTGTGGAGGTCCCTGAGAAGGAGGGGTATGAGCCACAC  
ATCCCCGACCACTTGC GGCTGAGTATGGGCTGGAGGCAGCACCCAGAGAAAGACACAGTTGTGCGGTGCT  
TGCGGACGAGGACGAGGATGGACGAGGAGGTGTGCGACCCACCTCTGCGGCTGCTCAGTGCAGGAGCT  
CCGGGACCACTTGCCTCCACCCTCATCTGCCAGCCCTCCAGAGCGTTGCCAGAGCCACAGGAGGCCAG  
AAGCTGGCAGCAGAGCGGGCCCGGGCGCTGTGGTGCCCTACGGCGTGGACTGCACTACTGGGGCCAGG  
AGCTCCCCACAGCCGGAAGATTGTCAAGTCTGACTCCCAGCACCGCTTCTGGAAGCCAGCGAGGTGGA  
GGAGGAAGTGGTCAATGCCGACATCTCCGAGATGCTCCGAGCCGCCACATCACTTTTCCGGGAAGTTT  
GAGCCTGTGCAGCACTGGTGCCGTGCCCGAGGCCAGACGGCCGGCTCTGTGAGCGCCAAGACCGGCTGA  
AGTGCCCTTTCCATGGGAAGATTGTTCCAAGGGACGACGAAGGACGGCCGCTCGACCCGGAAGACAGGGC  
TCGTGAGCAGCGCGGCAGCTGCAGAAGCAGGAGCGCCTGGAATGGCAGGACCCTGAGTTGATGAGAGAC  
GTGGAAGCAGCCACAGGGCAGGATCTCGGCTCGTCCAGGTACAGCGGAAAGGCAGGGGGGAAGAGGGA  
GGTACCCAGCCTACCAACCTGAAGGCTCAGGCTGATACCGCCCGCTCGCATTGGGAGAAAAGTCTT  
CGCCAAGGCAGCTGTGCGGAGGGTAGTGGCAGCCATGAACCGGATGGACCAGAAGAAGCACGAGAAGTTT  
TCAAACCAAGTTTAACTACGCACTGAAC

ACGCGTACGCGGCCGCTCGAG - GFP Tag - GTTTAA

**Protein Sequence:** >RG210690 representing NM\_020894  
 Red=Cloning site Green=Tags(s)

MDQKLSKLV EELTTSGEPRLNPEKMKELKKICKSSEEQLSRAYRLLIAQLTQEHAIEIRLSAFQIVEELFV  
 RSHQFRMLVVSNFQEFLELTLGTDPAQPLPPPREEAQLRQATTRAVEGWNEKFG EAYKKLALGYHFLRH  
 NKKVDFQDTNARSLAERKREEEKQKHLDKIYQERASQAEREMQEMSGEIESCLTEVESCFRLLVPFDFDP  
 NPETESLGMASGMSDALRSSCAGQVGPCRSRGTDPDRDGEQPCCSRDLPASAGHPRAGGGAQPSQTATGDP  
 SDEDESDLEEFVRSHGLGSHKYTLDV ELCSEGLKVQENEDNLALIHAARDTLKLIRNKFLPAVCSWIQR  
 FTRVGTGGCLKRAIDLKAELELVLRKYKELDIEPEGGERRRTEALGDAEEDEDEDFVEVPEKEGYEPH  
 IPDHLRPEYGLEAAPEKDTVVRCLRTRTRMDEEVS DPTSAQAQLRQLRDHLPPSSASPSRALPEPQEAQ  
 KLAAERARAPVVPYGVLDLHYWGQELPTAGKIVKSDSQHRFWKPSEVEEEVVNADISEMLRSRHITFAGKF  
 EPVQHWCRAPRDPGRLCERQDRLKCPFHGKIVPRDDEGRPLDPEDRAREQRRQLQKQERLEWQDPELMRD  
 VEAATGQDLGSSRYSYSGKGRGKRRYPSLTNLKAQADTARARIGRKFVAKAAVRRVVAAMNRMDQKKHEKF  
 SNQFNIALN

TRTRPLE - GFP Tag - V

**Restriction Sites:** SgfI-MluI

**Cloning Scheme:**



**ACCN:** NM\_020894

**ORF Size:** 2127 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\\_020894.1](#), [NP\\_065945.1](#)

**RefSeq Size:** 4562 bp

**RefSeq ORF:** 2130 bp

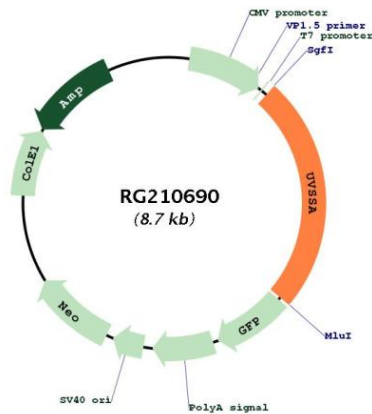
**Locus ID:** 57654

**UniProt ID:** [Q2YD98](#)

**Cytogenetics:** 4p16.3

**Gene Summary:** The protein encoded by this gene appears to be involved in ubiquitination and dephosphorylation of RNA polymerase II subunits that stall after UV irradiation. The encoded protein interacts with several members of the nucleotide excision repair complex, and is thought to be involved in the transcription-coupled nucleotide excision repair (TC-NER) pathway to help remove lesions in the DNA that block transcription. Defects in this gene can cause UV-sensitive syndrome 3. Alternative splicing results in multiple transcript variants. [provided by RefSeq, Dec 2015]

**Product images:**



Circular map for RG210690