

## Product datasheet for **SC109914**

### UAP56 (DDX39B) (NM\_080598) Human Untagged Clone

#### Product data:

|                           |   |
|---------------------------|---|
| Product Type:             | Expression Plasmids   |
| Product Name:             | UAP56 (DDX39B) (NM_080598) Human Untagged Clone   |
| Tag:                      | Tag Free  |
| Symbol:                   | UAP56   |
| Synonyms:                 | BAT1; D6S81E; UAP56   |
| Mammalian Cell Selection: | None  |
| Vector:                   | <u>pCMV6-XL5</u>  |
| E. coli Selection:        | Ampicillin (100 ug/mL)  |
| Fully Sequenced ORF:      | >NCBI ORF sequence for NM_080598, the custom clone sequence may differ by one or more nucleotides |

```
ATGGCAGAGAACGATGTGGACAATGAGCTCTTGGACTATGAAGATGATGAGGTGGAGACAGCAGCTGGGG
GAGATGGGGCTGAGGCCCTGCCAAGAAGGATGTCAAGGGCTCCTATGTCTCCATCCACAGCTCTGGCTT
TCGTGACTTCTGCTCAAGCCAGAGTTGCTCCGGGCCATTGTCGACTGTGGCTTTGAGCATCCGTCAGAA
GTCCAGCATGAGTGCATCCCTCAGGCCATTCTGGGAATGGATGTCCTGTGCCAGGCCAAGTCGGGCATGG
GAAAGACAGCAGTGTGTTGCTTGGCCACACTGCAACAGCTGGAGCCAGTTACTGGCAGGTGTCTGTACT
GGTGATGTGTCACTCGGGAGTTGGCTTTTCAGATCAGCAAGGAATATGAGCGCTTCTCTAAATACATG
CCCAATGTCAAGTTGCTGTTTTTTTTGGTGGTCTGTCTATCAAGAAGGATGAAGAGGTGCTGAAGAAGA
ACTGCCCGCATATCGTCTGTTGGGACTCCAGGCCGTATCCTAGCCCTGGCTCGAAAATAAGAGCCTCAACCT
CAAACACATTAACACTTTATTTTGGATGAATGTGATAAGATGCTTGAACAGCTCGCATGCGTCCGGAT
GTCCAGGAAATTTTTCGCATGACCCCCACGAGAAGCAGGTGATGATGTTGAGTGTACCTTGAGCAAAG
AGATCCGTCAGTCTGCCGAAGTTCAATGCAAGATCCAATGGAGATCTTCGTGGATGATGAGACGAAGTT
GACGCTGCATGGGTTGCAGCAGTACTACGTGAACTGAAGGACAACGAGAAGAACCAGGAGCTTTTGAC
CTTCTGGATGTCCTTGAGTTCAACCAGGTGGTGTCTTTGTGAAGTCTGTGCAGCGGTGCATTGCCTTGG
CCCAGCTACTAGTGGAGCAGAATTCCCAGCCATTGCCATCCACCGTGGGATGCCCCAGGAGGAGAGGCT
TTCTCGGTATCAGCAGTTTAAAGATTTTCAACGACGAATTCTTGTGGCTACCAACCTATTTGGCCGAGGC
ATGGACATCGAGCGGGTGAACATTGCTTTTAAATTATGACATGCCTGAGGATTCTGACACCTACCTGCATC
GGTGGCCAGAGCAGGCCGTTTGGCACCAAGGGCTTGGCTATCATTGTGTCCGATGAGAATGATGC
CAAGATCCTCAATGATGTGCAGGATCGCTTTGAGGTCAATATTAGTGAGTGCCTGATGAGATAGACATC
TCCTCCTACATTGAACAGACACGGTAG
```



[View online »](#)

**5' Read Nucleotide Sequence:**

>OriGene 5' read for NM\_080598 unedited  
 CACTATAGGGCGGCACGCCAATTCGGCACGAGGCTTCGCTACAATCCGTTTCCATCTGCG  
 CTTCTCCGCACCCATCCCGTCCATGGGTTCTGATACCCTTTTACAGGGCGATGGTCTGG  
 TCGCTGGGGCCTAGTTGGGTGGAGACATGAATTTTGTTTTTTGTGGCCGAGCCATTTGT  
 CTTGCACCGTCTTTTCCCCCATGCTAATTACACAAGGCTTGCTTAAACAGCGGAAGGGA  
 GGATACTGAGAAGTGGGAGGCTGAGAGCTATGGGAGGTGGACGGCGCCATATGATGTTT  
 TCTTTTCGAAAGCTCTTCTGTTAGAAATAGTATCTTTGTTTTTCTTTGCTTTCCTCAAT  
 CCCCTACTCTTACCCCTTGTTTTACCTATTTTGCAGAACCCATCCAGATCCCCTTC  
 CCTTCTCCCTGCCGGCCAGTTATGGCAGAGAACGATGTGGACAATGAGCTCTTGAC  
 TATGAAGATGATGAGGTGGAGACAGCAGCTGGGGGAGATGGGGCTGAGGCCCTGCCAAG  
 AAGGATGTCAAGGGCTCCTATGTCTCCATCCACAGCTCTGGCTTTCGTGACTTCTGCTC  
 AAGCCAGAGTTGCTCCGGGCCATTGTCGACTGTGGCTTTGAGCATCCGTCAGAAGTCCAG  
 CATGAGTGCATCCCTCAGGCCATTCTGGGAATGGATGCTCTGTGCCAGGCCAAGTCGGGC  
 ATGGGAAAGACAGCAGTGTGCTTGGCCACACTGCAACAGCTGGAGCCAGTTACTGGG  
 CANGTGTCTGTGCTGGTGTGTCACACTCGGGAGTTGGCTTTTTCAGATTCAGCAGGGA  
 TATGAGCGCTTCTCTNATN

**3' Read Nucleotide Sequence:**

>OriGene 3' read for NM\_080598 unedited  
 CCGCGGCACGCAATCTAGNATCGAGTTTTTTTTTTTTTTTTTTTATGATACCACANACACAT  
 GTGTTTCAATTTTGTGTTTTGTTAAAAAAATTCTGACAAATCAGAAATGGGGGTTTCAGGA  
 GTGGTGGTGATGCAAAAGATGGAAGCCATGGGGTGGGGGCTGCAGGGGTGGGGCAGTA  
 GTGTCTCCTTACCCCCACCCTGGTGCCTCTCCTGAAGGACAGACGGTACATTCCAAA  
 ATGGGCGAGTCTTCTACCGTGTCTGTTCAATGTAGGAGGAGATGTCTATCTCATCAGGCA  
 GCTCACTAATATTGACCTCAAAGCGATCCTGCACATCATTGAGGATCTTGGCATCATTCT  
 CATCGGACACAAATGTGATAGCCAAGCCCTTGGTGCCAAACCGGCTGTCTGGCCACCC  
 GATGCAGGTAGGTGTCAGAAATCCTCAGGCATGTCATAATAAAAGCAATGTTACCCCGCT  
 CGATGTCCATGCCTCGGCCAAATAGGTTGGTAGCCACAAGAAATTCGTGTTGAAAATCTT  
 TAAACTGCTGATACCGAGAAAGCCTCTCCTCCTGGGGCATCCCACGGTGGATGGCAATGG  
 CTGGGAAGTTCTGCTCCACTAGTAGCTGGGCCAAGGCAATGCACCGCTGCACAGACTTCA  
 CAAAGATCACCACTGGTTGAACTCAAGGACATCCAGAAAGTCAAAGAGCTTCCGGTTCT  
 TCTCGTTGTCCTTTCAGTTCACGTAGTACTGCTGCAACCCATGCAGCGTCAACTTCGTCT  
 CATCATCCACGAAGATCNCATTGGATCTTGCATGAACTTGCAGGACTGGACGGATCT  
 CTTTGCTCAGGTANCACTNGACATCATGACCTGCTTTCGTGGGGGTCATGCGAAAAATT  
 NCTGGACATCCGACGCTGTGAGCTGTTGAGCATCTTATACATTCTNCCAATAG

**Restriction Sites:**

NotI-NotI

**ACCN:**

NM\_080598

**Insert Size:**

1920 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\\_080598.3](#), [NP\\_542165.1](#)

**RefSeq Size:** 2044 bp

**RefSeq ORF:** 1287 bp

**Locus ID:** 7919

**UniProt ID:** [Q13838](#)

**Cytogenetics:** 6p21.33

**Domains:** DEAD, helicase\_C

**Protein Pathways:** Spliceosome

**Gene Summary:** This gene encodes a member of the DEAD box family of RNA-dependent ATPases that mediate ATP hydrolysis during pre-mRNA splicing. The encoded protein is an essential splicing factor required for association of U2 small nuclear ribonucleoprotein with pre-mRNA, and it also plays an important role in mRNA export from the nucleus to the cytoplasm. This gene belongs to a cluster of genes localized in the vicinity of the genes encoding tumor necrosis factor alpha and tumor necrosis factor beta. These genes are all within the human major histocompatibility complex class III region. Mutations in this gene may be associated with rheumatoid arthritis. Alternative splicing results in multiple transcript variants. Related pseudogenes have been identified on both chromosomes 6 and 11. Read-through transcription also occurs between this gene and the upstream ATP6V1G2 (ATPase, H<sup>+</sup> transporting, lysosomal 13kDa, V1 subunit G2) gene. [provided by RefSeq, Feb 2011]  
Transcript Variant: This variant (2) uses an alternative splice site in the 5' UTR, compared to variant 1. Both variants 1 and 2 encode the same protein.