

Product datasheet for **SC118043**

UBA52 (NM_003333) Human Untagged Clone

Product data:

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| Product Type: | Expression Plasmids |
| Product Name: | UBA52 (NM_003333) Human Untagged Clone |
| Tag: | Tag Free |
| Symbol: | UBA52 |
| Synonyms: | CEP52; HUBCEP52; L40; RPL40 |
| Mammalian Cell Selection: | None |
| Vector: | <u>pCMV6-XL5</u> |
| E. coli Selection: | Ampicillin (100 ug/mL) |
| Fully Sequenced ORF: | >OriGene ORF within SC118043 sequence for NM_003333 edited (data generated by NextGen Sequencing) ATGCAGATCTTTGTGAAGACCCTCACTGGCAAACCATCACCTTGAGGTCGAGCCCAGT GACACCATTGAGAATGTCAAAGCCAAAATTCAAGACAAGGAGGGTATCCACCTGACCAG CAGCGTCTGATATTTGCCGGCAAACAGCTGGAGGATGGCCGCACTCTCTCAGACTACAAC ATCCAGAAAGAGTCCACCCTGCACCTGGTGTTCGCGCTGCGAGGTGGCATTATTGAGCCT TCTCTCCGCCAGCTTGCCAGAAATACAACCTGCCACAAGATGATCTGCCGCAAGTGCTAT GCTCGCCTTCACCCTCGTGCTGTCAACTGCCGCAAGAAGAAGTGTGGTCACACCAACAAC CTGCGTCCCAAGAAGAAGGTCAAATAA |

Clone variation with respect to NM_003333.3



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| 5' Read Nucleotide Sequence: | <p>>OriGene 5' read for NM_003333 unedited ATTTTGTAAACGACTACTATAGGGCGGCCGGAATTCGGCACGAGGGCTGGTTGGTGG CCGCGGTCTGTCGGACGCAAAACATGCAGATCTTTGTGAAGACCCTCACTGGCAAACCAT CACCCTTGAGGTGAGCCAGTACACCATTTGAGAATGTCAAAGCCAAAATTCAGACAA GGAGGGTATCCCACCTGACCAGCAGCGTCTGATATTTGCCGGCAAACAGCTGGAGGATGG CCGCACTCTCTCAGACTACAACATCCAGAAAGAGTCCACCCTGCACCTGGTGTTCGCCT GCGAGGTGGCATTATTGAGCCTTCTCTCCGCCAGCTTGCCAGAAATACAACCTGCGAAA GATGATCTGCCGAAGTCTATGCTCGCCTTACCCCTCGTGTGCAACTGCCGCAAGAA GAAGTGTGGTACACCAACAACCTGCGTCCCAAGAAGAAGGTCAAATAAGGTGGTTCTTT CCTTGAAGGGCAGCCTCTGCCAGGCCCGTGGCCCTGGAGCCTCAATAAAGTGTCCCT TTCATTGACTGGAGCAGCAAAAAAAAAAAAAAAAAACTCGACTCTAGATTGCGGCCGCGG TCATAGCTGTTTCTGAACAGATCCCGGGTGGCATCCCTGTGACCCCTCCCAGTGCCTC TCCTGGCCCTGGAAGTTGCCACTCCAGTGCCACCAGCCTTGCTCAATAAAAATTAAGTT GCATCATTTTGTCTGACTAGGTGNTCTTCTATATATTATGGGGTGGAGGGGGTGGGTAT GGAGCAAGGGGCAAGNTGGGAAGACAACCTGTAGGNCCTGCCNGTCTATTGGGAACCAA GCTGGAGTGACAGTGCCACAATCTTGGNCTCACTGCATCTCCGCCTNCTGGTTCAAGCGA TTCTCCTGCCTCAGCCTCCCGAGTTGNTGGGATCCAGGCATGCATGACCACGCTCAGCT ATTNTGTTTTTTTTGTAAGACGGGGTTTACCT</p> |
| 3' Read Nucleotide Sequence: | <p>>OriGene 3' read for NM_003333 unedited GACCGCGGCCGCAATCTANAGTCGAGTTTTTTTTTTTTTTTTTGTCTCCAGTCAAT GAAAGGGACACTTTATTGAGGCTCCAGGGCCACGGGGCTGGGCAGGAGGCTGCCCTTCA AGGAAAGAACCACCTTATTGACCTTCTTCTGGGACGCAGGTTGTTGGTGTGACCACAC TTCTTCTTGCGCAGTTGACAGCACGAGGTGAAGGCGAGCATAGCACTTGCAGCAGATC ATCTTGTGCGCAGTTGATTTCTGGGCAAGCTGGCGGAGAGAAGGCTCAATAATGCCACCT CGCAGGGCAACACCAGGTGCAGGGTGGACTCTTCTGGATGTTGTAGTCTGAGAGAGTG CGGCCATCTCCAGCTGTTTCCCGGCAAATATCAGACGCTGCTGGTCAAGTGGGATACCC TCCTTGTCTTGAATTTGGCTTTGACATTCTCAATGGTGTCACTGGGCTCGACCTCAAGG GTGATGGTTTTGCCAGTGAAGGCTTTCACAAAGATCTGCATGTTTGCCTCCGACGACCG CCGCCACCAACCAGCCCTCGTGCCGAATTCGCGGCCGCCCTATAGTGAGTCGTATTACAA AATTCTGACGGTTCACTAAACGAGCTCTGCTTATATAGACCTCCACCGTACCACGCCTA CCGCCATTTGCGTCAACGGCCGCGGCTTATTACGACATTTTGAAAGTCCCGTGATT TTGGTGCCAAACAACTCCCATTTGACGTCAATGGGGTGGAGACTTGTAATCCCGTGAG TCAAACCGCTATCCACGCCCCATTGGTGTACTGGCCAAACCCGCATCACCATGGTTAATA GCGATGACCTATCCCTACAATGTCCGCACAAGTAGCAAAGCCCCGTAAGGTCATGCACT GGGCATATTGCCAGCCGCCATTACCGTCTTGGACGTAATAGGGGGCGAACTTGCATTT</p> |
| Restriction Sites: | NotI-NotI |
| ACCN: | NM_003333 |
| Insert Size: | 550 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). |

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| 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_003333.2 , NP_003324.1 |
| RefSeq Size: | 515 bp |
| RefSeq ORF: | 387 bp |
| Locus ID: | 7311 |
| UniProt ID: | P62987 |
| Cytogenetics: | 19p13.11 |
| Domains: | UBQ, Ribosomal_L40e |
| Protein Families: | Druggable Genome, Transcription Factors |
| Protein Pathways: | Ribosome |
| Gene Summary: | <p>Ubiquitin is a highly conserved nuclear and cytoplasmic protein that has a major role in targeting cellular proteins for degradation by the 26S proteasome. It is also involved in the maintenance of chromatin structure, the regulation of gene expression, and the stress response. Ubiquitin is synthesized as a precursor protein consisting of either polyubiquitin chains or a single ubiquitin moiety fused to an unrelated protein. This gene encodes a fusion protein consisting of ubiquitin at the N terminus and ribosomal protein L40 at the C terminus, a C-terminal extension protein (CEP). Multiple processed pseudogenes derived from this gene are present in the genome. [provided by RefSeq, Jul 2008]</p> <p>Transcript Variant: This predominant variant (2) uses an alternate splice site in the 5' UTR, compared to variant 1. Variants 1 and 2 encode the same protein.</p> |