

## Product datasheet for **SC123707**

### LOC554174 (BC009388) Human Untagged Clone

#### Product data:

|                    |                        |
|--------------------|------------------------|
| Product Type:      | Expression Plasmids    |
| Tag:               | Tag Free               |
| Symbol:            | LOC554174              |
| Mammalian Cell     | None                   |
| Selection:         |                        |
| Vector:            | <u>pCMV6-XL5</u>       |
| E. coli Selection: | Ampicillin (100 ug/mL) |

**Fully Sequenced ORF:** >OriGene sequence for BC009388 edited  
GGACGAGGCCCATGTCTCTACTGTAGCTTCTAGGCCGTTTCCCTGGGGATCCAATGTGT  
TTCTGTGTGCCCCAATCTTTTAAATTTTTTCCATTATTAGAGTTAGTACCAGCAGCCA  
GGGTGGAAGTGAATTCGTGAAGATTGCATTGGCTTGCTTTAAAGAATGGTATCTGTAC  
GGGTCCCTTAACCATTCGAGGGGCACCATCGGGCTTGTGGGTCACTGTGGGAAGTGGCCC  
GGCTGCCTGTGACAGTTTCTCAGCCAGGCAGGACTCTTTCCACACGATGACACTGGAA  
CTGAATGCCACACTCCTTCTCCTTGAAGAAAAAATTGTGTGTAGGACAAGGACTCAGGA  
CATGGGTGTGGAAGAATCTCTGTGTACGAGCCAGCCTGGAAGAACTCTTAGGCTGCGT  
GGACGCTGCCCGGCCACGGTGACGGAGCTGTTCCAATGCCTGCTTCCCGAGACAGGCCCA  
TGAAATCATGCAGGCTTGAGCCCGGCTTCTAGAAGGAGCACGCCTCTGGCCAGGGTGGCT  
GGTGGAAACCAGTCCTGGCCAAGGGAGCCCGGCCAGGCTGCCAGGTAGGCAGCAGGCGG  
CAGGGGGTTAATGTGGGGAGCGGGCAGGGTGGGTGGGAAGCCAGCTGGGGAATGGGG  
GCTGCAGGGCCAGCCCGACAGGCACAGACACAGGGGGCTCTGTCTGCTTGCCCGCTGC  
CCTGGCACTGTGACTAACC GCCCACTATTGTGAGTCTGAAGTCAGCCCTTTGTGTCGTC  
CCCTGGCGTCTGGGAGCACAGCCGAAGAACCTTTCCAGCAGCCCCCTCATTCTGGAAC  
CTGCAGCCCCAACATCCATTCTTTCAGCTCTCAGGGTTGCTGGGGCTGATGAGCCAGTG  
GAAGTATCCCTTTCCCTGGCCAGGAAGGGCCACCAGCAAAAAAGAGCAGAAAACAGTC  
TCCCCTACTCTGGGTGGGAAGTGGGGGACAGGAGCCTACTAAACCTACGTGACCGCC  
GTGGTAGCTGCTCCACACGCAGCAAGGAGCCATTGAAATGGGGAGAGGCCAAATCGAAT  
ATGGAAAAATGGCAAAATATCCCGTTCACAGTTTCATACGAGCAACACACTGAAATAGG  
ATTTTGGAAATTTATATTAGATTAAATGAATTTTAGTACTAAAGTGAAAAAAAAAAAAA  
AAAAAA



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|-------------------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>5' Read Nucleotide Sequence:</b> | <p>&gt;OriGene 5' read for BC009388 unedited</p> <pre> NNCCCTGTGCAGGATTTGTATACGACNACTATAGGCGGCACGCAATTCGACGAGGCCCA TGTCTCTACTGTAGCTTCTAGGCCGTTTCCCTGGGGATCCAATGTGTTTCCTGTTGTCC CCAATCTTTTAAATTTTTTCCATTATTAGAGTTAGTACCAGCAGCCAGGGTGGAAGTGC AATTCGTGAAGATTGCATTGGCTTGCTTTAAAAGAATGGTATCTGTACGGGTCCTTAAC CATTTCGAGGGGCACCATCGGGCTTGTTGGTTCATGCTGGGAAGTGGCCGGCTGCCTGTGA CAGTTTCTCAGCCAGGCAGGGACTCTTTCCACACGATGACACTGGAAGTGAATGCCACA CTCCTTCTCCTTGGAAGAAAAAATTGTGTAGGACAAGGACTCAGGACATGGGTGTGGA AGAATCTCTGTGTACGAGCCAGCCTGGAAGAACTCTTATGCTGCGTGGACGCTGCCCG GCCACGGTGACGGAGCTGTTCCAATGCCTGCTTCCCGAGACAGGCCCATGAAATCATGCA GGCTTGAGCCCGGCTTCTAGAAGGAGCACGCCTCTGGCCAGGGTGGCTGGTGGAAACCAG TCCTGGCCAAGGGAGCCCGGCCAGGCTGCCAGGTAGGCAGCATGCGGCAGGGGGTTAAT GTGGGGAGCGGGCAGGGGTGGGTGGGAAGCCAGCTGGGGAATGGGGCTGCATGGCC CAGCCCGACAGGCACAGACAGGGGGGCTCTGTCTGCTTCCCGCTGCCCTGGCACTG TGACTAACCGCCCACTATTGTGAGTCTGAAGTCAGCCCTTTGTGTCGTCCTCCCTGGCGTC TGGGAGCACAGNCGAAGAACCTTTTCAGCAGCCCCC </pre> |
| <b>Restriction Sites:</b>           | Please inquire                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           |
| <b>ACCN:</b>                        | BC009388                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 |
| <b>Insert Size:</b>                 | 1206 bp                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  |
| <b>OTI Disclaimer:</b>              | 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).                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           |
| <b>Components:</b>                  | 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).                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     |
| <b>Reconstitution Method:</b>       | <ol style="list-style-type: none"> <li>1. Centrifuge at 5,000xg for 5min.</li> <li>2. Carefully open the tube and add 100ul of sterile water to dissolve the DNA.</li> <li>3. Close the tube and incubate for 10 minutes at room temperature.</li> <li>4. Briefly vortex the tube and then do a quick spin (less than 5000xg) to concentrate the liquid at the bottom.</li> <li>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.</li> </ol>                                                                                                                                                                                                                                                                                                                                                                                                                                                  |
| <b>Note:</b>                        | Plasmids are not sterile. For experiments where strict sterility is required, filtration with 0.22um filter is required.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 |
| <b>RefSeq:</b>                      | <u><a href="#">BC009388.1</a></u> , <u><a href="#">AAH09388.1</a></u>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    |
| <b>RefSeq Size:</b>                 | 1206 bp                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  |
| <b>Locus ID:</b>                    | 554174                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   |
| <b>Cytogenetics:</b>                | 22q13.31                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 |