

## Product datasheet for **SC102802**

### MAST4 (BC033215) Human Untagged Clone

#### Product data:

|                           |   |
|---------------------------|---|
| Product Type:             | Expression Plasmids   |
| Product Name:             | MAST4 (BC033215) Human Untagged Clone   |
| Tag:                      | Tag Free  |
| Symbol:                   | MAST4   |
| Synonyms:                 | DKFZp686E18148; DKFZp686N1467; FLJ16540; FLJ33039; KIAA0303; microtubule associated serine/threonine kinase family member 4 |
| Mammalian Cell Selection: | None  |
| Vector:                   | <u><a href="#">pCMV6-XL5</a></u>  |
| E. coli Selection:        | Ampicillin (100 ug/mL)  |
| Fully Sequenced ORF:      | >NCBI ORF sequence for BC033215, the custom clone sequence may differ by one or more nucleotides                            |

```
ATGGGGGAGAAAGTTTCGGAGGCGCCAGAGCCGGTGCCCCGGGCTGCAGTGGCCACGGCAGCCGGACTC
CAGCCTCTGCGCTGGTCGCCGCGTCTCTCCGGGTGCTTCTCGGCCGAGTCTCCTCGGGCTCAGAAAC
TCTGTGCGAGGAAGGGGAGCCCGCGGCTTCTCCAGAGAGCATCAGCCGCCGCCGCCCGCGTTGGGA
GGCACCCTGGGCGCCCGGGCGCCCGCGTGGGCTCCGGCAAGCGTGCTGCTGGAGCGCGGAGTCTTGG
CGCTGCCCGCCGCTTCCCGGAGGAGCTGTGCCCGCCGCCCGGGGAGCAGCGCGTCCCAGGAGGA
GCAGGACGAGGAGCTTGACCACATATTATCCCCTCCACCCATGCCGTTTCGAAATGCAGCAACCCAGAT
GTGGCTTCTGGCCCTGAAAATCACTGAAGTATAAAGACAGCTGAGTGAAGGATGGAAGACAGCTAAGGC
GAGGGAGCCTGGGAGGAGCCCTGACTGGGAGGTACCTTCTTCAAACCCGGTGGCGGGACAGGCCTGGCC
GGCCTCTGCAGAGACGTCCAACCTCGTGCGCATGCGCAGCCAGGCCCTGGGCCAGTCGGCGCCCTCGCTC
ACCGCCAGCCTGAAGGAGCTGAGTCTCCCCAGAAGAGGAAGTTTGATAGATTCCCAGAAGTGAATTGCT
TGGTCAAACGCCCTGTGTGTCCAATGCTGGGAGAACATCACCCCTTGGATGA
```



[View online »](#)

|                                     |   |
|-------------------------------------|---|
| <b>5' Read Nucleotide Sequence:</b> | >OriGene 5' read for BC033215 unedited<br>TGTAATACGACTCACTATAGNNGCGGCCGCAATTCGGCACGAGGCGCAGATCGCGGA<br>CCCGAGCGGGCATGTCCCGCGCGGGAGCCTCCGTTTGCGCCGGGGCCGGGCGGCTG<br>TGAACCTTAGCAGCGGGCTCCTGCGGCCCGTCACTGCCATGTAGTCGCTGGCGGGCTCC<br>CTGCAGCCCGGGAGCGGCAGTGCCAGTGAGCCTGAGCCCAGGAGCCCGCGCTTCCCCGG<br>GAGGCGCTGAGTGC CGCGCCGCCCGCCCGCTCGGAGGCACTTTGGCCACACAGGA<br>AATGGGGAGAAAAGCTTCGGAGGCGCCAGAGCCGGTGCCCCGCGCTGCAGTGGCCACGG<br>CAGCCGGACTCCAGCCTCTGCGCTGGTGC CGCGCTCCTCTCCGGGTGCTTCTCGCCGA<br>GTCCTCTCGGGCTCAGAACTCTGTGCGAGGAAGGGGAGCCCGTGGCTTCTCCAGAGA<br>GCATCAGCCGTCGCCGTCGCCGCTTGGGAGGCACCCCTGCGCGCCCCGGGCGCTCCG<br>TCGCGTGCCTCCGGCACGCGTGCCTGCTGGAAGCGGGAGTCTTGCCTGCCCGCC<br>GCTTCCCGGAGGACCCGTGCCCGCGCCCGGGCGCCAGCCCGTCCAGCAGGACA<br>TGACGAGGAGCTTGCCCCATACTACCCCTTCCCCAGCCGTTTCCAAAAGCCCCAACCA<br>AACGCCGCTCTGCCCTCGAAAATCCACTGAAGATTAACACACCTGACGCCCGCACGA<br>CCACCCCTAAGGCTAGGCACCCCGCCGTACCCTCGCCCGGAGAGCCCTTTTTTCAA<br>ACCCGGGCGGCCAGGCCTGCCCGCCTTGCACAACTCCAACCTCCGGGCATGCC<br>ACACGGCCCTGGGCCCTCGGTCT |
| <b>Restriction Sites:</b>           | NotI-NotI   |
| <b>ACCN:</b>                        | BC033215  |
| <b>Insert Size:</b>                 | 4000 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>RefSeq:</b>                      | <u>BC033215.1, AAH33215.1</u>   |
| <b>RefSeq Size:</b>                 | 1105 bp   |
| <b>RefSeq ORF:</b>                  | 753 bp  |
| <b>Locus ID:</b>                    | 375449  |
| <b>Cytogenetics:</b>                | 5q12.3  |
| <b>Protein Families:</b>            | Druggable Genome, Protein Kinase  |

**Gene Summary:**

This gene encodes a member of the microtubule-associated serine/threonine protein kinases. The proteins in this family contain a domain that gives the kinase the ability to determine its own scaffold to control the effects of their kinase activities. Alternative splicing results in multiple transcript variants encoding different isoforms. [provided by RefSeq, Mar 2014]