

## Product datasheet for MC204893

### Cst13 (NM\_027024) Mouse Untagged Clone

#### Product data:

|                           |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         |
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| Product Type:             | Expression Plasmids                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     |
| Product Name:             | Cst13 (NM_027024) Mouse Untagged Clone                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  |
| Tag:                      | Tag Free                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                |
| Symbol:                   | Cst13                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   |
| Synonyms:                 | 1700006C19Rik; Cymg1; Mtcg1                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             |
| Mammalian Cell Selection: | Neomycin                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                |
| Vector:                   | PCMV6-Kan/Neo (PCMV6KN)                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 |
| E. coli Selection:        | Kanamycin (25 ug/mL)                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    |
| Fully Sequenced ORF:      | >BC048681<br>GAGGCCAGAAGCACCTGGGGCTCAGATCCCCACAGATGCCTATCTGGAAGCAGGAGCATGAACTTGGTAT<br>GCTGGTGATCAAGAGCAACCTGAGGCTAGAGGCCATTTAATCTTAGTCTTCACTACAGATAAAGCCGTGT<br>CAGGTGTTGAAGAGAAAGGATCCATTGACCTGCAGAGAAAGCAGGGGCCTCACTGGCTACATTGACACCA<br>GCTCTGGAAGAAATAGGAACCTTGGTATGTTCCCTTGAATGAAGAAGCACCATGGCCAGATTCTTACAGA<br>CCCTGCTGTTCTGGTGATCATGGTGGAGTTTGTATCTAGAAGAGTCGAAGCCTGGGGCTCCCCACAGAT<br>TGTGAGGCCATTGAAGACATCCCCAAATCCTATGTCTATGTGCAGCATGCACTCTGGTATGCCATGAAA<br>GAATATAACAAGGCCAGCAATGACCTCTACAACCTCAGGGTGGTGGATATCTTAAATCTCAGGAGCAGA<br>TCACAGACAGTCTGGAGTATTATCTTGAAGTAAACATTGCCCCAACAATGTGCAAGAAGATTGCAGGAGA<br>TAATGAAAACCTGCTTGTTCACAGGATCCTAAAATGAAAAAGATGGTGTTCATTTTATTGTTAGC<br>TCCAAACCATGGAAGTTTGAACCTAAAATGCTGAAGAAGCAATGCAAAGATATCTAATCAGCATTCGGGA<br>CACCTTGCCACTTTACTTTTCTTTAACTGAATAAAGATGCTTGTAAAGATAGTGGACCCCTCAAAAAA<br>AAAAAAAAAAAAAAAAAAAAAA |
| Restriction Sites:        | Sfil-SfiI                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               |
| ACCN:                     | NM_027024                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               |
| Insert Size:              | 426 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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| <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="#">BC048681</a></u> , <u><a href="#">AAH48681</a></u>                                                                                                                                                                                                                                                                                                                                                                                                                                                 |
| <b>RefSeq Size:</b>           | 794 bp                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            |
| <b>RefSeq ORF:</b>            | 426 bp                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            |
| <b>Locus ID:</b>              | 69294                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             |
| <b>UniProt ID:</b>            | <u><a href="#">Q80ZN5</a></u>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     |
| <b>Cytogenetics:</b>          | 2 G3                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              |
| <b>Gene Summary:</b>          | May perform a specialized role during sperm development and maturation.[UniProtKB/Swiss-Prot Function]                                                                                                                                                                                                                                                                                                                                                                                                            |