

## Product datasheet for **MC223162**

### Togaram2 (NM\_177087) Mouse Untagged Clone

#### Product data:

|                           |                                                                                 |
|---------------------------|---------------------------------------------------------------------------------|
| Product Type:             | Expression Plasmids                                                             |
| Product Name:             | Togaram2 (NM_177087) Mouse Untagged Clone                                       |
| Tag:                      | Tag Free                                                                        |
| Symbol:                   | Togaram2                                                                        |
| Synonyms:                 | 4632412N22Rik; Fam179a                                                          |
| Mammalian Cell Selection: | Neomycin                                                                        |
| Vector:                   | pCMV6-Entry (PS100001)                                                          |
| E. coli Selection:        | Kanamycin (25 ug/mL)                                                            |
| Fully Sequenced ORF:      | >MC223162 representing NM_177087<br>Red=Cloning site Blue=ORF Orange=Stop codon |

TTTGTAAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC  
GCC**CGATCGCC**

ATGGACACCCGTGACGATGTCACTCTAGCCAAAGTTCCGGCTCCAGTGGCTGTGTACTGTGGGAGTGTC  
CTCGGACTAGTGTGGGCTCCGAGCGCCCCACCTGGAGGCATCGACTCCAGTCTTCTTGCTCACGATGA  
AGCCTCTTTCAGCCAGTGTCAAGTGTACTGCCAAGCAGTGAGAAGCCATCACAGCTCTCAAGGGAACAT  
GAGGACCAGAGTAGTCTCATGCTGAATGCTCCTCTGAAAGGCTGGCAGGCCAGGAATGGTACCCAGGG  
GCCTTGAGATTCTGCCCTTGGGGCACCACCTGGGGGCAGCTATTCCTCCCTGGAATCAGAGGCCAGCAG  
TGTGGCCCGGGACACGATCCAGATTAAGGACAACTCAAGAAGAGACGGCTCTCAGAAGGCATGGCGGCA  
TCTTCTCAAGCCTCTCTGGATCCGGTGGGAGGCCCCAGAGGGTTCTCTGCGGAGCACAATCCCCCGCA  
CCACCTCACAGAGGCTCCTGAGGGTACCCAGGCCGATGCCTCCCATCCAGAGCATTCCCACCACCCCTGA  
GGCCAACAGTGCTAAGGAGAAGGACCTGGACCTCCTGGAGGCAGACAGGATCTCCAGGACCCGGGAGCC  
AGTGGCCAGGAGGTGCAGATTTCCAGGCAATACTTACACTGCGCTGATGAGAAGATGCACAAGTCTTTAG  
GAGGCCTCGTGATCCACCCATTCCGAAGGCCCGGATGCCACAGGGACCTTTCTGCAAGCCTGGCTC  
CTTGCCAGCCCCCTGTGTCCAAGCCAGGATGTGCTTATGGGACCAAAGGCCACATACGCGATTGACT  
TGTGAGAATGGCCTCTGGAAAAGACCCCTAAATCTCCGGCGTCAAAGCCTTTGGTTCAGTTGTCAAGG  
CCAAGTCTGCTGAAGCCCCGAAACGTCCTGGCTTCGTACAGTCTACCTTTACTCTGACAGCATTCTC  
CAGTCATGCCAAAGAAACCCGCTCCCTGGAGAACGAAGAAGACCAGAAGGAGTCCAGCACCAAGTCCAA  
GTCACCATTTCCAAGTCTGCCAGGAAAAGATGAGGCTGAAGCAGATGAAGGAGATGGAGCTGCTTCGGA  
GGGCAAAGGAGCCAGAGTGGGAGCGAGAACTGGTTTCCAGGGCTTAGGCACACGAGAACCTCAGCAAA  
GGAAGGCCTCCTTCTTTGCGGGGCAGTGGAGCACTGTCCGAGCCTGCTGGGATGAGCAGCCACGCAGA  
AACAACATGGGAGCCCTCCAGAGAAAACGGCTAACCGAGCCTCCCTGCCAGCATCCCGGTGAGCAAGC  
AGGAGCCTGGCTTTGCCCGCCATGCATCAGCTAACTACTACCTGCCGTGCTTACCTTGGGCTCCCTGA  
GTGGGAGGAAGAGGAGGAGGATGATCTTCGGGCTCTCAGGGAGTTGAGGCCCTTCTCAACCCGGAA



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CTGGGGCTGACAGATGCCCTCCAGTGCCTCAACAGCAATGACTGGCAAATGAAGGAGAAGGGCCTGGTGA  
 ACATCCAGCGCCTGGCAGCTTGCTACTCGGAGGTCTCGGTACACGGCTGCACGATGTGTCTTGGCAGT  
 GACTGCGGAGGTACCAACCTCCGTTCCAAGGTATCCCGCTGGCCATCAGCACCTGGGAGACCTCTTC  
 CGAGTTTTGAAGAAGACATGGACCAGGAGGCTGAGGAGATTGTCCGCTGCCTTCTGCAGAAGATGGGGA  
 ACACCAGCGAGTTCATTAGCGGGCAGCCAACCGGGCTCTGGGTGCCATGGTGGAAAACGTGACCCCTGC  
 CCGTGCCTGGTGGCCCTCACATCTGCGGGTGTCTACCACCGGAACCCCTAGTCCGGAATGTACAGCC  
 AAGCATCTCTCGGCCGTCTGGAGCAGATCGGGCAGAGAAGCTTCTCTCCGGCTCCAGAGACAACACAG  
 ACATGCTGGTGCACAATTGGTGAGTTGGCCAGGACTCTAACCAAGACACAGGTTTTATGGCCGGA  
 GATGGTGAATATCTTGATGGCCAATGCAAAGTTTGATGCATTCTGAAGCAATCTCTCCCATCTCATGAC  
 CTACGGAAGTCAATGGCAGCCATCAAACAACGGGAATCCAAGACAATCACGAATCCAATCTGCCAAAG  
 GTCGAAAGGTGTCAAAGAGTCTGGTGGTGTGTGAGAACGGGCTGCCTAGTCATGAGGGTGTGGAGACGTC  
 AGAGCAGTGCAGGAGCTGACCAGGCTGTTGGAGGCCAAGGAGTCCAGGCTCGGATGGAAGGCGTTGGG  
 AAGCTCCTTGAGTACTGCAAGGCCAAGCCAGAGCTCGTGGCTGCCAACCTAGTCCAGGTCTTTGATGTTT  
 TCACCCCAAGGCTTCACGATTCCAACAAGAAAGTGAACCAAGTGGGCGCTGGAGTCCCTCGCAGACATGCT  
 TCCCATCTGAAAGAGAGCATCCACCCATGCTGCTGTCCCTCATCATCGCTGCTGCAGACAACCTTAAC  
 TCTAAGAACTCTGGGATTTCCACCGCTGCCTCCACCGTACTGGATGCCATGATGGCAGCCTGGACCACC  
 TTTGCCTCCTGCAAGCGTTTGCTGGGCGCGTGCCTTCTGACAGGTCTGCAAGTCTGGATATCACAGA  
 TCGCCTCTCAGTCTGGTTCCTCAGTGTATCCCCGGAAGCCTCAGGCTGTGGAACGGCATATCCTTCCA  
 GTCCTCTGGTACTTCTGAACAAAATGAGCGGCAATGGCGTGTGCCCGGCGTGGCGGGAACGTCCGCA  
 CAGCGGTGTGAGGCTGGCCAGGAGCCTGCAGGAGCAAATGGGGTCCCGCTGCAGGACTTCGCTGCCAG  
 TCAGCCCCAGCAAGTCTCAAGGCGCTGACGGGACTTTTAGCCTCTGAATCTCTGGGGGCCAACGACAAG  
 GTCATAGGTGGAAGAATGGCCCTGACATCCAGATGACTGGAACCACTGTCCCCAGCAGCTGGATTAA

ACGCGTACGCGGCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT  
 ACAAGGATGACGACGATAAGGTTTAA

|                               |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         |
|-------------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>Restriction Sites:</b>     | Sgfl-MluI                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               |
| <b>ACCN:</b>                  | NM_177087                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               |
| <b>Insert Size:</b>           | 3009 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>NM_177087.4, NP_796061.2</u>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         |

|               |                               |
|---------------|-------------------------------|
| RefSeq Size:  | 3503 bp                       |
| RefSeq ORF:   | 3009 bp                       |
| Locus ID:     | 320159                        |
| UniProt ID:   | <u><a href="#">Q3TYG6</a></u> |
| Cytogenetics: | 17 E1.3                       |