

Product datasheet for MC224925

Togaram1 (NM_177805) Mouse Untagged Clone

Product data:

Product Type: Expression Plasmids
Product Name: Togaram1 (NM_177805) Mouse Untagged Clone
Tag: Tag Free
Symbol: Togaram1
Synonyms: A430041B07Rik; BC062107; C130034K06; mKIAA0423
Vector: pCMV6-Entry (PS100001)
E. coli Selection: Kanamycin (25 ug/mL)
Cell Selection: Neomycin
Fully Sequenced ORF: >MC224925 representing NM_177805
 Red=Cloning site Blue=ORF Orange=Stop codon

TTTTGTAATACGACTCACTATAGGGCGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGATCGCC**

ATGGCGGCGCGCCTCCGAGCTGCTCCCCTGCCGCTCCTGCGACCCCTGGTTCTATCGCTCCTGA
 GCCGCTGTCGTCCTACGCCCCAGGACTGATGGTCGTCGATCCGGGGCACCATGAGAGCGGAGAAAA
 CTATTACTGCCGTGGGGCTGCCGGGATCATGGCTCCTGCCCGGACGCCGTCGCTCTGGCTCGACC
 CTCTGTTACCGCGGAGGCTGTTCAACTAGCTGGTCCGGGCTGGAAGTGGGCTCTCGGCGGAGATG
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 GGCTGCCTTCCGCGGCGAGGCGCCGGCTTGGCTTCCCGCCGCAAGGAAGCCTTATATCGGGCGCTG
 GGCCGAGTGCTTGTGAAGGCGGAGTGAAGAGAGGCTCTGCTTGCAGCTTCTCTCGGACGTTCTTC
 GGGTCCAGGGCGAGGCGGGTCACTGGAAGAGGCTTCACTTTAGCGCTTTTGCCTCAGCTCGTTGTCTC
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 GCACTACAATCGCCGCTGGAGTCCCAGTATGGAAGTCAAGTTCCTTATTATTTGGAGTAGAAGCCTC
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 AACATTTGCATCTGTTCCCTCCTGACCTACCCAGTGAGGATTTGACTTACCCAACTGTCCTTTGATC



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TTGCTCCAGCTCTTGTGGATAGCAAACGACGGGTACGCCAGGCAGCTTTAGAGGCCCTTTGCTGTTTTGGC
 ATCATCAATGGGCTCAGGTAAAACCAATGTTCTTTTTAAAGCTGTAGATACTGTTGAATTGCAGGATAAT
 GGCGATGGGGTATGAATGCCGTGCAGGCCGATTGGCCAGAAAACTCTCCACGGCTAACAGAACAGG
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 TCAAGAGGTGAAAAATTTACGCTCTGGAGTGTCCCGTGTCTGTGGTGTGCTTAGGTGACCTTTTTACA
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 CACTTGGCAGATGTAGTAGAATGTATGGACCCAGAGCGAATTTTCTGGAACAAAGGATATGGCTGATC
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 GCTTTTCTCATGATGGGTATCCTAATTTGAAAAACTACTTGAAGTATATCCCATCTAAAGATTTG
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 CAAGATATGACAGAAAAGCTTGCTGATATTGTTACGGAGCTTTATCAAAGGAAGCCTCATGCCACAGAAC
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TGGAAATATTCGAACAGCCACAGCTAAATTATCAAAAGCACTTTTACCCAGATGGGTCAGAATCTACTA
 AATCAGGCTGCATCTCAACCACCACATATCAAAAAGAGTTTAGAGGAATTACTTGATGTGACAGTTTAA
 GTGAATTATGA

ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
 ACAAGGATGACGACGATAAGGTTTAA

- Restriction Sites:** Sgfl-Mlul
- ACCN:** NM_177805
- Insert Size:** 5331 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).
- Reconstitution Method:**
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_177805.3](#), [NP_808473.2](#)
- RefSeq Size:** 6434 bp
- RefSeq ORF:** 5331 bp
- Locus ID:** 328108
- UniProt ID:** [Q6A070](#)
- Cytogenetics:** 12 C1
- Gene Summary:** Required for normal structure and function of primary cilia. Plays a role in the organization of axoneme microtubule bundles in primary cilia (By similarity). Interacts with microtubules and promotes microtubule polymerization via its HEAT repeat domains, especially those in TOG region 2 and 4 (PubMed:26378256).[UniProtKB/Swiss-Prot Function]