

Product datasheet for **RN208251**

Stk3 (NM_031735) Rat Untagged Clone

Product data:

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|--------------------|-------------------------------------|
| Product Type: | Expression Plasmids |
| Product Name: | Stk3 (NM_031735) Rat Untagged Clone |
| Tag: | Tag Free |
| Symbol: | Stk3 |
| Synonyms: | MST2 |
| Vector: | pCMV6-Entry (PS100001) |
| E. coli Selection: | Kanamycin (25 ug/mL) |
| Cell Selection: | Neomycin |



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Fully Sequenced ORF: >RN208251 representing NM_031735
Red=Cloning site Blue=ORF Orange=Stop codon

TTTTGTAATACGACTCACTATAGGGCGGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCC**CGCATCGCC**

ATGGAGCAGCCGCCGCCCAAGAGTAAGCTAAAAAGCTGAGTGAAGACAGTTTGACTAAGCAGCCTG
AAGAGGTCTTTGATGTTTTGGAGAAGCTTGGAGAAGGGTCTTATGGAAGTGTAAAAAGCAATACATAA
GGAATCTGGTCAAGTTGTTGCAATTAAGCAAGTACCTGTTGAGTCAGATGTTTCAGGAAATATCAAAGAA
ATTTCCATAATGCAACAATGTGACAGCCCTTACGTGGTGAAGTACTATGGCAGTACTTTAAGAACACAG
ACCTCTGGATTGTTATGGAGTACTGTGGGGCCGGTCCGTTTCAGACATAATTAGATTACGAAACAAGAC
ATTAACGGAAGATGAAATTGCAACTATTCTAAAAATCCACGTTGAAAGGATTAGAATATTTGCATTTTATG
AGGAAAAACACAGAGATATAAAAGCTGGGAATATTCTCCTCAATACAGAAGGACATGCAAAGCTTGCAG
ATTTTGGAGTGGCTGGCCAGTTAACAGACACGATGGCAAACGCAATACTGTAATAGGAACCCCGTTTTG
GATGGCTCCCGAGGTAATTCAAGAAATAGTTACAACGTGTGGCTGACATCTGGTCCCTTGGCATTACG
TCTATAGAAATGGCAGAAGGAAAACCTCCTTATGCTGATATACATCCAATGAGGGCTATTTTTATGATTC
CTACAAACCCACCACCAACATTCAGGAAACCTGAGCTCTGGTCTGACGACTTCACGGATTTTGTGAAGAA
GTGCTTGGTGAAGAGTCTGAGCAGAGGGCCACTGCCACCCAGCTGTTACAGCATCCTTTTCATCAAGAAT
GCGAAGCCCGTGTGATATTGAGAGAGCTGATCACGGAAGGCATGGAAATCAAGGCCAAGCGGCATGAGG
AGCAGCAGCGAGAGCTGGAGGACGAGGAGGAAAACCTCGGATGAAGATGAGCTGGATTCGCACACTATGGT
GAAGACTAGTTTCAAGAGGTGTGGGCACAATGCGGGCCACCAGCACGATGAGTGAAGGGGCCAGACCATG
ATTGAACACAACAGCACCATGCTAGAGTCGGACCTGGGGACCATGGTGATAAACAGTGAAGGATGAAGAGG
AGGAAGACGGAACCATGAAAAGAAATGCAACGTACCCCAAGTACAAAGACCTTTTTCATGGACTATT
TGATAAGCAGGACTTCAAGAACAAGAGTCAAAAATTGTGATCAGAGCATGCGTGAGCCATGCCCTATG
TCAAACAATGTTTTCTGACAACCTGGAGATTCTCAAGATGGAGACTTTGATTTTTTAAAAAATCTAA
GTTTAGAAGAACTACAGATGCGGCTAAAAGCACTGGACCCATGATGGAACGAGAAATAGAAGAACTGCA
TCAAAGATACAGTGCGAAAAGACAGCCATCCTGGATGCCATGGATGCCAAAAAGAGGAGGCAGCAGAAT
TTCTGA

ACGCGTACGCGGCCGCTCGAGCAGAAAACCTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
ACAAGGATGACGACGATAAGGTTTAA

Restriction Sites: Sgfl-Mlul

ACCN: NM_031735

Insert Size: 1476 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_031735.1](#), [NP_113923.1](#)

RefSeq Size: 2610 bp

RefSeq ORF: 1476 bp

Locus ID: 65189

UniProt ID: [O54748](#)

Cytogenetics: 7q22

Gene Summary: has serine/threonine kinase activity; catalyzes the phosphorylation of thyroid transcription factor-1 [RGD, Feb 2006]