

## Product datasheet for **MG223974**

### Slk (NM\_009289) Mouse Tagged ORF Clone

#### Product data:

|                           |   |
|---------------------------|---|
| Product Type:             | Expression Plasmids   |
| Product Name:             | Slk (NM_009289) Mouse Tagged ORF Clone                                      |
| Tag:                      | TurboGFP  |
| Symbol:                   | Slk   |
| Synonyms:                 | 9A2; AV021402; AW411554; Etk4; mKIAA0204; mSLK; SMAK; Stk2                  |
| Mammalian Cell Selection: | Neomycin  |
| Vector:                   | pCMV6-AC-GFP (PS100010)   |
| E. coli Selection:        | Ampicillin (100 ug/mL)  |
| ORF Nucleotide Sequence:  | >MG223974 representing NM_009289<br>Red=Cloning site Blue=ORF Green=Tags(s) |

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC  
GCC**CGATCGCC**

ATGTCCTTCTCAATTTCCGTAAGATCTTCAAGTTGGGAGCGAGAAGAAGAAGAAACAGTACGAACACG  
TGAAGAGAGACCTGAACCCGAAGATTTTGGGAGATTATTGGAGAACTGGGCGACGGAGCCTTCGGGAA  
AGTCTATAAGGCCAGAATAAAGAGACCAATGTTTTAGCTGCTGCAAAGGTGATTGACACCAATCTGAA  
GAAGAGCTTGAAGATTATATGGTTGAGATTGACATATTAGCATCTTGATCACCCAAACATCGTCAAGC  
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CCTTAGATGGAGACATTAATAGCGGATTTGGAGTATCAGCTAAAAATACCAGGACAATTCAAAGGAG  
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CCTTATGACTACAAAGCTGATGTTTGGTCCCTGGGTATTACTTTAATAGAAATGGCTGAGATAGAGCCAC  
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GATAAACTTTACAAAATGCTTGTATTTTGAATCTGTGTGAGAAAGAACAAGAACTACTTCTGAGG  
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CAGTCAGTGAAGAAAATGAGAATAATAGAGTAACTTTAGAAACGAACACTGATTGTCTGAAACCAGAGGA  
AGACAGAAATAAAGAAAACCAAGAGACACTTGAGAGTAACTTATACAATCTGAAGAAATTAATGACACA



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CATATTCAAACAATGGACTTAGTTTCTCAAGAGACTGGAGAAAAAGAAGCAGATTTTCAGGCAGTTGACA  
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GGAGCACAGCCAAGAGCTGAAGGAGTGGAGAGAGAAGCTGAGACCAGGAAGAAGACTGGAAGAAGAG  
TTTGCCAGGAACTGCAGGAACAGGAAGTGTCTTTAAAATGACTGGGGAGTCCGATGTCTTAATCCAT  
CAGCACAGAGCCGGATCTCTAAATCTACCTATTCCACCTTACATTCCACTGGGTCA

ACGCGTACGCGGCCGCTCGAG - GFP Tag - GTTTAA

**Protein Sequence:** >MG223974 representing NM\_009289  
 Red=Cloning site Green=Tags(s)

MSFFNFRKIFKLGSEKKKKQYEHVKRDLNPEEFWEIIGELGDGAFGKVYKAQNKETNVLAAAKVIDTKSE  
 EELEDYMEIDILASCDHPNIVKLLDAFYENNLWILIEFCAGGAVDAVMLELERPLTESQIQVCKQTL  
 EALNYLHDNKIIHRDLKAGNILFLDGDIKLADFGVSAKNTRTIQRRDSFIGTPYWMAPEVVMCETSKDR  
 PYDYKADVWSLGI TL IEMAEIEPPHHELNPMRVL LKIAKSEPPTLAQPSKWSSNFKDFLRKCLEKNVDAR  
 WTSQLLQHPFVTVDNSKPVRELI AEAKEVTEEVEDGKEE EEEEEAENALPIPANKRASSDL SIASSEE  
 DKLSQNACILESVSERTEQSTSEDKFSNKILNEKPTTDGPEKAVDEHASDVNLETGAELNDQTVGIHENG  
 REKKRPKLENLPDTQDQQTVDVNSVSEENENNRVTLETNTDCLKPEEDRNKENQETLESKLIQSEEINDT  
 HIQTMDLVSQETGEKEADFQAVDNEVGLTKEETQEKL GKDGTAQKVITSDRSSEVGTDEALDDTQKAAEL  
 SKAAQSGEGDEALAPTQT LAEKPTGPEAGGAE EEPGGERVEDKQPEQQPAVCEAEGQLTSTSETTRAT  
 LEQPETDEVEQVSESNSIEELERLVVTGAEARALGSEGEAAATEVDLERKENAQVPVKAESQAPAAASQP  
 SEPHPVLIPSININSETTENKEEMGALPKPETILPPEPEHEKGNDTDSGTGSTVENSSGDLNLSISSFLS  
 KAKDSGSVSLQETRRQKTLKTRKFI VDGVEVSVTTSKIVTSDSKTEELRFLRRQELRELRL LQKEEQ  
 RAQQQLNGKLQQQREQIFRRFEQEMLSKKRQYDQEIENLEKQKQTIERLEQEHTNRLRDEAKRIKGEQE  
 KELSKFQNVLKNRKKEVMNEVEKAPREL RRELTKRRKEELAQSQHAQE QEFVQKQQQELDGLSKKI IQQQ  
 KAELANIERECLNNKQQLMRAREAAIWELEERHLQEKHQLLQQLKDYFMQRHQLLKRHEKETE QMQR  
 NQRLIEELKNRQTQERARLPKIQRSEAKTRMAMFKSLRINSTATPDQDREKIKQFAAQEEKRQKNERMA  
 QHQKHESQMRDLQLQCEANVRELHQLQNEKCHLLVEHETQKLKELDEEHSQELKEWREKL RPRKKTLEEE  
 FARKLQEVEVFFKMTGESECLNPSAQSRSISKFYPIPTLHSTGS

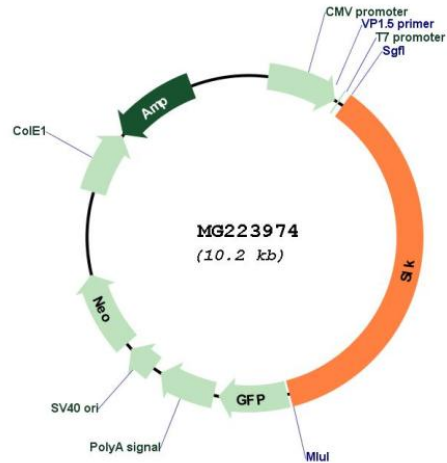
TRTRPLE - GFP Tag - V

**Restriction Sites:**

Sgfl-MluI

**Cloning Scheme:**



**Plasmid Map:**


**ACCN:** NM\_009289

**ORF Size:** 3699 bp

**OTI Disclaimer:** The molecular sequence of this clone aligns with the gene accession number as a point of reference only. However, individual transcript sequences of the same gene can differ through naturally occurring variations (e.g. polymorphisms), each with its own valid existence. This clone is substantially in agreement with the reference, but a complete review of all prevailing variants is recommended prior to use. [More info](#)

**OTI Annotation:** This clone was engineered to express the complete ORF with an expression tag. Expression varies depending on the nature of the gene.

**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\\_009289.3](#), [NP\\_033315.2](#)

**RefSeq Size:** 7047 bp

**RefSeq ORF:** 3702 bp

**Locus ID:** 20874

**UniProt ID:** [O54988](#)

**Cytogenetics:** 19 C3- D1

**Gene Summary:** Mediates apoptosis and actin stress fiber dissolution.[UniProtKB/Swiss-Prot Function]