

## Product datasheet for **MG224049**

### Stk40 (NM\_001145827) Mouse Tagged ORF Clone

#### Product data:

Product Type:	Expression Plasmids
Product Name:	Stk40 (NM_001145827) Mouse Tagged ORF Clone
Tag:	TurboGFP
Symbol:	Stk40
Synonyms:	2310004N11Rik; AI428792
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-AC-GFP (PS100010)
E. coli Selection:	Ampicillin (100 ug/mL)



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**ORF Nucleotide Sequence:**

>MG224049 representing NM\_001145827  
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC  
 GCC**GCGATCGCC**

ATGAAGCCGTATCTGAGAGGAGCCTCGACCCAGGAAGTGAAGCGGAGAGCATCAGACAGAGGAG  
 CTGGGAGACGTCGCCAACGCCAAGGCTCTAGGAACTGGCATTGCTGGAATAACGCAAAGAGAGCAGG  
 ACCGTTCTGCTGGGTCCCCGCCTGGGCAACTACCGGTACCGAGCATTGTGCAGTGTGGCAAGAAAA  
 GATGGCACAGATGACTTCTATCAGTTGAAGATCCTCACCCCTGAGGAGAGGGGTGAGCAAGGAATAGAGA  
 GCCAAGAGGAGAGGCAGGGCAAGATGCTGCTGCATACCGAGTACTCTGCTCTCGCTGTCACACACA  
 GGATGGCGTGGTCCACCACCATGGGCTCTTCCAGGACCGCACCTGTGAAGCGGTGAGGACACAGAGTCT  
 GGTCCGATGGTAAAGAAGATGAAGAAACGCATTTGCCTCGTCTTGACTGCCTCTGTGCACACGACTTCA  
 GTGACAAGACGGCTGACCTCATCAACCTGCAGCACTATGTCATCAAGGAGAAGAGGCTCAGTGAGCGCA  
 GACTGTGGTCATTTCTACGACGTGGTCCGGGTGGTGAAGCCCTGCACCAGAAAAACATCGTGCACCGA  
 GACCTGAAACTTGGGAACATGGTGTCAACAAAAGGACCCATCGGATAACTATCACCAACTTCTGCCTTG  
 GGAAGCACCTTGTGAGTGAAGGGGACCTGCTGAAGGACCAGAGGGGCAGCCCCGCCTACATCAGTCTGA  
 TGTGCTCAGCGGCCGGCCGTACCGGGCAAGCCGAGTGACATGTGGGCCCTTGGGCGTGGTCTTCACT  
 ATGCTCTATGGCCAGTTCCTTCTACGACAGCATCCACAGGAGCTCTTCCGCAAGATCAAGGCTGCTG  
 AGTACACCATCCCTGAGGATGGGAGAGTCTCTGAGAACACAGTGTGTCTTATCCGGAACTGCTGGTCT  
 TGACCCCAAGCAACGCTGGCTGCTGCCGATGCTCTGGAGGCTCTCAGTGCCATCATTGCATCTTGGCAG  
 TCCCTGCTCTCTGAGTGGCCCTTGAAGTGGTCCGGACATTGATGACCAAAATGAGCAGCTCTGACA  
 GCTCCCAGGAGGCAAAGGTGACAGAGGAGTGTCCCAATACGAGTTTGAGAACTACATGCGACAGCACT  
 GCTGCTGGCTGAAGAGAAGATTCCATCCATGAGGCCCGGGCCTGGGTGCCCAAGCGGCAATTCCGTAGC  
 ATGCCACCGGTCCGACGGCTAGGCCACGACGCACAGCCAATGACCTCCTTGGACACAGCCATCCTGGCAC  
 AACGCTATCTGCGGAAA

**ACGCGT**ACGCGGCCGCTCGAG – GFP Tag – GTTTAA

**Protein Sequence:**

>MG224049 representing NM\_001145827  
 Red=Cloning site Green=Tags(s)

MKPYLRGASTQELRMKRRASDRGAGETSANAKALGTGIAGNNAKRAGPFVLGPRLGNPVPVSIYVQCLARK  
 DGTDDFYQLKIL TLEERGEQGIESQEERQGMKLLHTEYSLL SLLHTQDGVVHHHGLFQDRTCEAVEDTES  
 GRMVKKMKKRICLVLDCLCAHDFSDKTADLINLQHYVIKEKRLSERETVVIYDVVVRVVEALHQKNI VHR  
 DLKLGNMVNLNRTHRITITNFCLGKHLVSEGDLLKDRGSPAYISPDVLSGRPYRGKPSDMWALGVVLF  
 MLYGQFPFYDSIPQELFRKIKAAEYTIPEdGRVSENTVCLIRKLLVLDPQQRLAAADVLEALSIIASWQ  
 SLSLSGPLQVVPDIDDQMSSDSSQEAKVTEECsqyEFENYMRQQLLLAEKSSIHEARAWVPKRQFGS  
 MPPVRRLLGHDAQPMTSLDTAILAQRYLK

**TRTRPLE** – GFP Tag – V

**Restriction Sites:**

SgfI-MluI



<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>RefSeq:</b>	<u><a href="#">NM_001145827.1</a></u> , <u><a href="#">NP_001139299.1</a></u>
<b>RefSeq Size:</b>	3877 bp
<b>RefSeq ORF:</b>	1350 bp
<b>Locus ID:</b>	74178
<b>UniProt ID:</b>	<u><a href="#">Q7TNL3</a></u>
<b>Cytogenetics:</b>	4 D2.2
<b>Gene Summary:</b>	May be a negative regulator of NF-kappa-B and p53-mediated gene transcription. [UniProtKB/Swiss-Prot Function]