

## Product datasheet for **MG206799**

### Stk25 (NM\_021537) Mouse Tagged ORF Clone

#### Product data:

Product Type:	Expression Plasmids
Product Name:	Stk25 (NM_021537) Mouse Tagged ORF Clone
Tag:	TurboGFP
Symbol:	Stk25
Synonyms:	1500019J11Rik; AU018434; C86992; Ste20-like; Ysk1
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-AC-GFP (PS100010)
E. coli Selection:	Ampicillin (100 ug/mL)
ORF Nucleotide Sequence:	>MG206799 representing NM_021537 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC  
GCC**CGATCGCC**

ATGGCTCACCTCCGGGCTTCGCGCACCAGCATTCTCGTGTGGACCCAGAGGAACCTTCCACCAAGCTTG  
ACCGCATTGGCAAAGGCTCATTGGGGAGGTGTACAAGGGGATCGACAACCACACCAAGGAAGTGGTGGC  
CATCAAGATCATTGACTTGAAGAGGGCCGAGGATGAAATTGAGGACATCCAACAGGAGATCACTGTGCTC  
AGCCAATGTGACAGTCTTATATCACCCGCTACTTCGGCTCTACCTGAAGAGCACCAAGCTGTGGATTA  
TCATGGAGTACCTGGGTGGTGGCTCTGCACTGGACTTGTGAAACCTGGTCCCCTGGAAGAGACCTATAT  
TGCCACCATCTTGCGGGAGATCCTGAAAGGCCTGGATTATCTGCACTCAGAGCGCAAGATCCACCGAGAT  
ATCAAAGCTGCCAACGTGCTGCTCTCGGAGCAGGGTATGTGAAGCTGGCAGACTTCGGTGTGGCTGGGC  
AGCTCACAGACACACAAATCAAGAGGAACATTTGTGGGTACACCCTTCTGGATGGCACCTGAGGTTAT  
CAAGCAGTCGGCCTATGACTTCAAGGCTGACATCTGGTCCCTGGGCATCACAGCCATTGAGCTGGCCAAG  
GGGAGCCGCCAAACTCTGATCTCACCCCTATGCGAGTCTGTTCTGATTCCCAAGAACAACCCACCCA  
CATTGGAGGGCCACCACAGCAAACCTTCAAGGAGTTTGTAGAGGCTGCCTCAATAAGGACCCACGATT  
CCGACCCACTGCCAAGGAGCTCCTGAAGCACAATTCATCACACGATACACCAAGAAGACCTCCTTTCTC  
ACTGAACCTATTGACCGATATAAGCGCTGGAAGTCTGAGGGCATGGAGAGGAGTCCAGTTCTGAGGAT  
CTGACATTGATGGCGAGGCTGAGGATGGGGAGCAGGGTCCCATCTGGACGTTTCTCCAACCATCCGGCC  
AAGTCCACATAGCAAGCTGCACAAGGAACTGCTCTGCACAGCTCACAGAAGCCTGCAGAGCCTATCAAG  
AGACAGCCAAGGTCCCAGTGCTTGTCCACACTAGTCCGTCCTGTCTTTGGAGAGCTCAAAGAGAAGCACA  
AGCAGAGCGGTGGGAGCGTGGGTGCCCTGGAGGAGCTAGAGAATGCCTTCAGCCTGGCTGAGGAATCCTG  
TCCTGGCATCTCAGACAAGCTGATGGTGCACCTGGTGGAGCGTGTGCAGAGGTTCTCACACAGCAGGAAC  
CACCTGACATCTACCCGC

**ACGCGT**ACGCGGCCGCTCGAG - GFP Tag - GTTTAA



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**Protein Sequence:** >MG206799 representing NM\_021537  
 Red=Cloning site Green=Tags(s)

MAHLRGFAHQHSRVDPEELFTKLDRIKGSFGEVYKIDNHTKEVVAIKIIDLEEADEIEDIQQEITVL  
 SQCDSPYITRYFGSYLKSTKLWIIMEYLGGSALDLLKPGLEETYIATILREILKGLDYLHSEKIHHRD  
 IKAANVLLSEQGDVKLADFGVAGQLTDTQIKRNTFVGTFFWMAPEVIKQSAYDFKADIWSLGITAIELAK  
 GEPPNSDLHPMRVLFLLIPKNNPPTLEGHHSKPFKEFVEACLNKDPFRFRPTAKELLKHKFITRYTKKTSFL  
 TELIDRYKRWKSEHGEESSSDIDGEAEDGEQGPIWTFPPTIRSPHSLKHKGTALHSSQKPAEPIK  
 RQPRSQCLSTLVRPVFGELKEKHQKSGGSVGALEELNAFLAEESCPGISDKLMVHLVERVQRFSHSRN  
 HLTSTR

TRTRPLE - GFP Tag - V

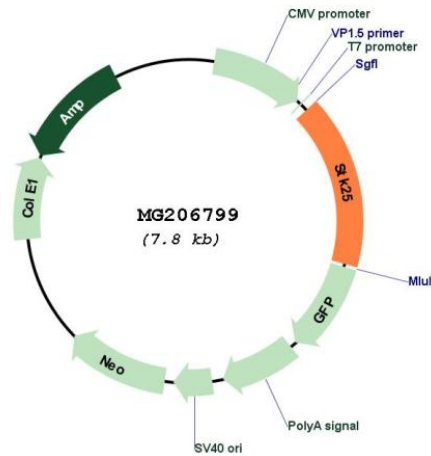
**Restriction Sites:**

SgfI-MluI

**Cloning Scheme:**



**Plasmid Map:**



**ACCN:**

NM\_021537

<b>ORF Size:</b>	1278 bp
<b>OTI Disclaimer:</b>	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. <a href="#">More info</a>
<b>OTI Annotation:</b>	This clone was engineered to express the complete ORF with an expression tag. Expression varies depending on the nature of the gene.
<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>	<a href="#">NM_021537.3</a> , <a href="#">NP_067512.3</a>
<b>RefSeq Size:</b>	3254 bp
<b>RefSeq ORF:</b>	1281 bp
<b>Locus ID:</b>	59041
<b>UniProt ID:</b>	<a href="#">Q9Z2W1</a>
<b>Cytogenetics:</b>	1 47.25 cM
<b>Gene Summary:</b>	Oxidant stress-activated serine/threonine kinase that may play a role in the response to environmental stress. Targets to the Golgi apparatus where it appears to regulate protein transport events, cell adhesion, and polarity complexes important for cell migration (By similarity).[UniProtKB/Swiss-Prot Function]