

Product datasheet for **MG206159**

Strada (NM_028126) Mouse Tagged ORF Clone

Product data:

Product Type: Expression Plasmids
Product Name: Strada (NM_028126) Mouse Tagged ORF Clone
Tag: TurboGFP
Symbol: Strada
Synonyms: 2610019A05Rik; 6030402H20Rik; AI480680; E130112C09Rik
Mammalian Cell Selection: Neomycin
Vector: pCMV6-AC-GFP (PS100010)
E. coli Selection: Ampicillin (100 ug/mL)
ORF Nucleotide Sequence: >MG206159 representing NM_028126
Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCC**CGATCGCC**

ATGTCTTTTCTTGCCAATGAGGCGAGCTCAGAGTCCATAGCATCTTTCTCCAAACCAGAGATGATGAGCA
GCTTTCTCCAGAGGGCGGGTGTATGAGCTGCTCACCATCATAGGCAAAGGTTTGAGGACTTGATGAC
AGTGAATTTAGCCAGGTACAACCAACGGGAGAGTATGTGACAGTACGAAGGATCAACCTAGAAGCTTGT
TCCAATGAGATGGTGACATTCTGCAGGGGAGCTTCATGTCTCTAAACTCTTCAGCCATCCAATATAG
TACCGTATCGAGCCACCTTCATCGCAGATAATGAGCTGTGGTGTGCACATCATTATGGCGTACGGCTC
TGCAAAGGATCTCATTGGCACACACTTCATGGATGGCATGAATGAACTGGCGATTGCATACATCCTGCAG
GGGTGCTAAAGGCCCTTAGACTACATCCATCACATGGGCTATGTGCACAGGAGTGTCAAGGCCAGCCACA
TTCTGATCTCCACGGATGGGAAGGTCTACCTGTCTGGTTACGCAGCAACCTTAGCATGATTAGTCACGG
GCAGCGGCAGCGTGCAGTCCACGATTTCCCAAATATAGTATCAAGGTCCTGCCTGGCTCAGCCAGAA
GTCCTCCAGCAGAATCTTCAGGGTACGATGCCAAGTCCGATATCTACAGTGTGGGAATCACAGCATGTG
AACTAGCCAATGGCCATGTCCCCTTCAAAGATATGCCTGCCACTCAGATGCTGTAGAAAACTTAATGG
CACAGTGCCTGCCTGCTGGACACCAGCACCATCCCTGCCGAGGAGCTGACCATGAGTCCCTCCCCTCC
ATCGCAAACCTGGCCTGAATGACAGCCTGGCTGCTGGTAGCCTCCGGCCTTCCAATGGCGACTCGCCT
CCCACCCCTACCACCGAACCTTCTCGCCTCACTCCACAACCTTTGTGGAACAGTGCCTTCAGCGCAACCC
TGACGCAAGGCCAAACGCCAGCACCTGCTGAACCACTCCTTCTCAAGCAGATCAAGCGCGTGTCTCC
GAGGCTTTGCCTGAGTTGCTCCGCCAGTCACTCCCATCACCAACTTCGAGGGCAGCCAGTCTCAGGATC
ACAGTGAATCTTCGGCCTGGTGACAAACCTAGAAGACCTGGAGGTGGATGACTGGGAGTTC

ACGCGTACGCGGCCGCTCGAG - GFP Tag - GTTTAA



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Protein Sequence: >MG206159 representing NM_028126
 Red=Cloning site Green=Tags(s)

MSFLANEASSESIASFSPKPEMSSFLPEGGCYELLTIIGKGFEDLMTVNLARYKPTGEYVTVRRINLEAC
 SNEMVTFLOGELHVSKLFSHPNIVPYRATFIADNELWVVTFSMAYGSAKDLIGTHFMDGMNELAIAYILQ
 GVLKALDYIHHMGYVHRSVKASHILISTDGKVYLSGLRSNLSMISHGQRQRAVHDFPKYSIKVLPWLSPE
 VLQQNLQGYDAKSDIYSVGITACELANGHVPFKDMPTAQMLLEKLNQTVPCLLDTSTIPAEELTMSPSRS
 IANPGLNDSLAAAGSLRPSNGDPSHPYHRTFSPHFHNFVEQCLQRNPDARPNASTLLNHSFFKQIKRRAS
 EALPELLRPVTPITNFEQSQSDHSGIFGLVTNLEDLEVDWFEF

TRTRPLE - GFP Tag - V

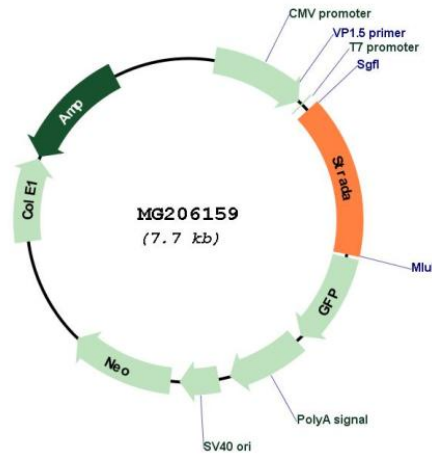
Restriction Sites:

SgfI-MluI

Cloning Scheme:



Plasmid Map:



ACCN:

NM_028126

ORF Size:	1182 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:	<ol style="list-style-type: none">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_028126.3
RefSeq Size:	2016 bp
RefSeq ORF:	1185 bp
Locus ID:	72149
UniProt ID:	Q3UUJ4
Cytogenetics:	11 E1
Gene Summary:	Pseudokinase which, in complex with CAB39/MO25 (CAB39/MO25alpha or CAB39L/MO25beta), binds to and activates STK11/LKB1. Adopts a closed conformation typical of active protein kinases and binds STK11/LKB1 as a pseudosubstrate, promoting conformational change of STK11/LKB1 in an active conformation (By similarity). [UniProtKB/Swiss-Prot Function]