

Product datasheet for **MC227410**

Strada (NM_001252449) Mouse Untagged Clone

Product data:

Product Type: Expression Plasmids
Product Name: Strada (NM_001252449) Mouse Untagged Clone
Tag: Tag Free
Symbol: Strada
Synonyms: 2610019A05Rik; 6030402H20Rik; AI480680; E130112C09Rik
Vector: pCMV6-Entry (PS100001)
E. coli Selection: Kanamycin (25 ug/mL)
Cell Selection: Neomycin
Fully Sequenced ORF: >MC227410 representing NM_001252449
 Red=Cloning site Blue=ORF Orange=Stop codon

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**GCGATCGCC**

ATGTCTTTTCTTGCCAATGAGGGGAGCTCAGAGTCCATAGCATCTTTCTCCAACCAGAGATGATGAGCA
 GCTTTCTCCAGAGGGCGGGTGTATGAGCTGCTCACCATCATAGGCAAAGGTTTGAGGACTTGATGAC
 AGTGAATTTAGCCAGGTACAAACCAACGGGAGAGTATGTGACAGTACGAAGGATCAACCTAGAAGCTTGT
 TCCAATGAGATGGTGACATTCTTGACAGGGGAGCTTCATGTCTCTAAACTCTTACGCCATCCCAATATAG
 TACCGTATCGAGCCACCTTCATCGCAGATAATGAGCTGTGGGTCGTACATCATTATGGCGTACGGCTC
 TGCAAAGGATCTCATTGGCACACACTTCATGGATGGCATGAATGAACTGGCGATTGCATACATCCTGCAG
 GGGGTGCTAAAGGCCTTAGACTACATCCATCACATGGGCTATGTGCACAGGAGTGTCAAGGCCAGCCACA
 TTCTGATCTCCACGGATGGGAAGGTCTACCTGTCTGGTTACGCAGCAACCTTAGCATGATTAGTCACGG
 GCAGCGGCAGCGTGCAGTCCACGATTTCCCAAATATAGTATCAAGTCCCTGCCTGGCTCAGCCAGAA
 GTCCTCCAGCAGAATCTCAGGGTTACGATGCCAAGTCCGATATCTACAGTGTGGGAATCACAGCATGTG
 AACTAGCCAATGGCCATGTCCCCTCAAAGATATGCCTGCCACTCAGATGCTGCTAGAAAACTTAATGG
 CACAGTGCCTGCCTGTGGACACCAGCACCATCCCTGCCGAGGAGCTGACCATGAGTCCCTCCCGCTCC
 ATCGCAAACCCTGGCCTGAATGACAGCCTGGCTGCTGGTAGCCTCCGGCCTTCCAATGGCGACTCGCCTT
 CCCACCCCTACCACCGAACCTTCTCGCCTCACTCCACAACCTTTGTGGAACAGTGCCCTCAGCGCAACCC
 TGACGCAAGGCCAAACATCAAGCGGCGTCTTCCGAGGCTTTGCCTGAGTTGCTCCGCCAGTCACTCCC
 ATCACCAACTTCGAGGGCAGCCAGTCTCAGGATCACAGTGAATCTTCGGCTGGTGACAAACCTAGAAG
 ACCTGGAGGTGGATGACTGGGAGTTC**TGA**

ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
 ACAAGGATGACGACGATAAGGTTTAA

Restriction Sites: SgfI-MluI



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ACCN:	NM_001252449
Insert Size:	1149 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).
OTI Annotation:	Clone contains native stop codon, and expresses the complete ORF without any c-terminal tag.
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:	<u>NM_001252449.1</u> , <u>NP_001239378.1</u>
RefSeq Size:	2396 bp
RefSeq ORF:	1149 bp
Locus ID:	72149
UniProt ID:	<u>Q3UUJ4</u>
Cytogenetics:	11 E1
Gene Summary:	<p>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]</p> <p>Transcript Variant: This variant (3) lacks two consecutive exons in the 5' coding region and a segment in the 3' coding region, compared to variant 1. The reading frame is not affected and the resulting isoform (3) lacks a segment in the N-terminal region and a segment in the C-terminal region, compared to isoform 1.</p>