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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
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)

Fully Sequenced ORF:

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>MC227410 representing NM_001252449
Red=Cloning site Blue=ORF Orange=Stop codon

TTTTGTAATACGACTCACTATAGGGCGGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCCGCGATCGCC

ATGTCTTTTCTTGCCAATGAGGCGAGCTCAGAGTCCATAGCATCTTTCTCCAAACCAGAGATGATGAGCA
GCTTTCTTCCAGAGGGCGGGTGTTATGAGCTGCTCACCATCATAGGCAAAGGGTTTGAGGACTTGATGAC
AGTGAATTTAGCCAGGTACAAACCAACGGGAGAGTATGTGACAGTACGAAGGATCAACCTAGAAGCTTGT
TCCAATGAGATGGTGACATTCTTGCAGGGGGAGCTTCATGTCTCTAAACTCTTCAGCCATCCCAATATAG
TACCGTATCGAGCCACCTTCATCGCAGATAATGAGCTGTGGGTCGTCACATCATTTATGGCGTACGGCTC
TGCAAAGGATCTCATTGGCACACACTTCATGGATGGCATGAATGAACTGGCGATTGCATACATCCTGCAG
GGGGTGCTAAAGGCCTTAGACTACATCCATCACATGGGCTATGTGCACAGGAGTGTCAAGGCCAGCCACA
TTCTGATCTCCACGGATGGGAAGGTCTACCTGTCTGGTTTACGCAGCAACCTTAGCATGATTAGTCACGG
GCAGCGGCAGCGTGCAGTCCACGATTTCCCCAAATATAGTATCAAGGTCCTGCCTTGGCTCAGCCCAGAA
GTCCTCCAGCAGAATCTTCAGGGTTACGATGCCAAGTCCGATATCTACAGTGTGGGAATCACAGCATGTG
AACTAGCCAATGGCCATGTCCCCTTCAAAGATATGCCTGCCACTCAGATGCTGCTAGAAAAACTTAATGG
CACAGTGCCCTGCCTGCTGGACACCAGCACCATCCCTGCCGAGGAGCTGACCATGAGTCCCTCCCGCTCC
ATCGCCAACCCTGGCCTGAATGACAGCCTGGCTGCTGGTAGCCTCCGGCCTTCCAATGGCGACTCGCCTT
CCCACCCCTACCACCGAACCTTCTCGCCTCACTTCCACAACTTTGTGGAACAGTGCCTTCAGCGCAACCC
TGACGCAAGGCCAAACATCAAGCGGCGTGCTTCCGAGGCTTTGCCTGAGTTGCTCCGCCCAGTCACTCCC
ATCACCAACTTCGAGGGCAGCCAGTCTCAGGATCACAGTGGAATCTTCGGCCTGGTGACAAACCTAGAAG
ACCTGGAGGTGGATGACTGGGAGTTCTGA

ACGCGTACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
ACAAGGATGACGACGATAAGGTTTAA
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Restriction Sites:	SgfI-MluI
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:	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_001252449.1, NP_001239378.1
RefSeq Size:	2396 bp
RefSeq ORF:	1149 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] 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.

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