

Product datasheet for MR229621

Strada (NM_001252449) Mouse Tagged ORF Clone

Product data:

Product Type: Expression Plasmids
Product Name: Strada (NM_001252449) Mouse Tagged ORF Clone
Tag: Myc-DDK
Symbol: Strada
Synonyms: 2610019A05Rik; 6030402H20Rik; AI480680; E130112C09Rik
Vector: pCMV6-Entry (PS100001)
E. coli Selection: Kanamycin (25 ug/mL)
Cell Selection: Neomycin
ORF Nucleotide Sequence: >MR229621 representing NM_001252449
Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCC**GCGATCGCC**

ATGTCTTTTCTTGCCAATGAGGGGAGCTCAGAGTCCATAGCATCTTTCTCCAACCAGAGATGATGAGCA
GCTTTCTCCAGAGGGCGGGTGTATGAGCTGCTCACCATCATAGGCAAAGGTTTGAGGACTTGATGAC
AGTGAATTTAGCCAGGTACAAACCAACGGGAGAGTATGTGACAGTACGAAGGATCAACCTAGAAGCTTGT
TCCAATGAGATGGTGACATTCTTGACAGGGGAGCTTCATGTCTCTAAACTCTTCAGCCATCCAATATAG
TACCGTATCGAGCCACCTTCATCGCAGATAATGAGCTGTGGGTCGTACATCATTATGGCGTACGGCTC
TGCAAAGGATCTCATTGGCACACACTTCATGGATGGCATGAATGAACTGGCGATTGCATACATCCTGCAG
GGGGTGCTAAAGGCCTTAGACTACATCCATCACATGGGCTATGTGCACAGGAGTGTCAAGGCCAGCCACA
TTCTGATCTCCACGGATGGGAAGGTCTACCTGTCTGGTTACGCAGCAACCTTAGCATGATTAGTCACGG
GCAGCGGCAGCGTGCAGTCCACGATTTCCCAAATATAGTATCAAGTCTGCCTGGCTCAGCCAGAA
GTCCTCCAGCAGAATCTCAGGGTTACGATGCCAAGTCCGATATCTACAGTGTGGGAATCACAGCATGTG
AACTAGCCAATGGCCATGTCCCCTCAAAGATATGCCTGCCACTCAGATGCTGCTAGAAAACTTAATGG
CACAGTGCCTGCCTGTGGACACCAGCACCATCCCTGCCGAGGAGCTGACCATGAGTCCCTCCCGCTCC
ATCGCAAACCCTGGCCTGAATGACAGCCTGGCTGCTGGTAGCCTCCGGCCTTCCAATGGCGACTCGCCTT
CCCACCCCTACCACCGAACCTTCTCGCCTCACTCCACAACCTTTGTGGAACAGTGCCCTCAGCGCAACCC
TGACGCAAGGCCAAACATCAAGCGGCGTGTCTCCGAGGCTTTGCCTGAGTTGCTCCGCCAGTCACTCCC
ATCACCAACTTCGAGGGCAGCCAGTCTCAGGATCACAGTGAATCTTCGGCTGGTGACAAACCTAGAAG
ACCTGGAGGTGGATGACTGGGAGTTC

ACGCGTACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
ACAAGGATGACGACGATAAGGTTTAA



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Protein Sequence: >MR229621 representing NM_001252449
 Red=Cloning site Green=Tags(s)

MSFLANEASSESIASFSPKPEMSSFLPEGGCYELLTIIGKGFEDLMTVNLARYKPTGEYVTVRRINLEAC
 SNEMVTFLOQELHVSCLF SHPNIVPYRATFIADNELWVVTSMAYGSADLIGTHFMDGMNELAIAYILQ
 GVLKALDYIHHMGYVHRSVKASHILISTDGKVYLSGLRSNLSMISHGQRQRAVHDFPKYSIKVLPWLSPE
 VLQQNLQGYDAKSDIYSVGITACELANGHVFPKDMPTQMLLEKLNQVPCLLDSTIPAEELTMSPSRS
 IANPGLNDSLAAAGSLRPSNGDPSHPYHRTFSPHFHNFVEQCLQRNPDARPNIKRRASEALPELLRPVTP
 ITNFEQSQSDHSGIFGLVTNLEDDLEVDWDF

TRTRPLEQKLISEEDLAANDILDYKDDDDKV

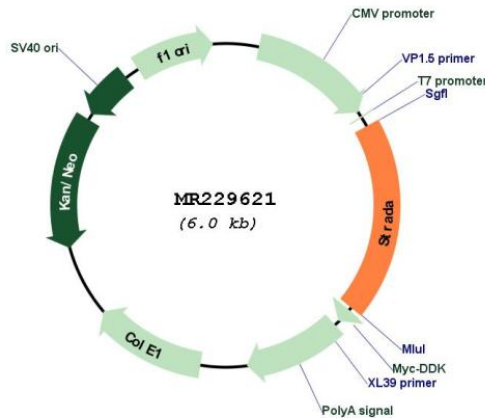
Restriction Sites:

SgfI-MluI

Cloning Scheme:



Plasmid Map:



ACCN: NM_001252449

ORF Size:	1146 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_001252449.1 , NP_001239378.1
RefSeq Size:	2396 bp
RefSeq ORF:	1149 bp
Locus ID:	72149
UniProt ID:	Q3UUJ4
Cytogenetics:	11 E1
MW:	42.9 kDa
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]