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Product datasheet for MR206159

Strada (NM_028126) Mouse Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Strada (NM_028126) Mouse Tagged ORF Clone
Tag:	Myc-DDK
Symbol:	Strada
Synonyms:	2610019A05Rik; 6030402H20Rik; AI480680; E130112C09Rik
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)

ORF Nucleotide Sequence:

>MR206159 ORF sequence
Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCCGCGATCGCC

ATGTCTTTTCTTGCCAATGAGGCGAGCTCAGAGTCCATAGCATCTTTCTCCAAACCAGAGATGATGAGCA
GCTTTCTTCCAGAGGGCGGGTGTTATGAGCTGCTCACCATCATAGGCAAAGGGTTTGAGGACTTGATGAC
AGTGAATTTAGCCAGGTACAAACCAACGGGAGAGTATGTGACAGTACGAAGGATCAACCTAGAAGCTTGT
TCCAATGAGATGGTGACATTCTTGCAGGGGGAGCTTCATGTCTCTAAACTCTTCAGCCATCCCAATATAG
TACCGTATCGAGCCACCTTCATCGCAGATAATGAGCTGTGGGTCGTCACATCATTTATGGCGTACGGCTC
TGCAAAGGATCTCATTGGCACACACTTCATGGATGGCATGAATGAACTGGCGATTGCATACATCCTGCAG
GGGGTGCTAAAGGCCTTAGACTACATCCATCACATGGGCTATGTGCACAGGAGTGTCAAGGCCAGCCACA
TTCTGATCTCCACGGATGGGAAGGTCTACCTGTCTGGTTTACGCAGCAACCTTAGCATGATTAGTCACGG
GCAGCGGCAGCGTGCAGTCCACGATTTCCCCAAATATAGTATCAAGGTCCTGCCTTGGCTCAGCCCAGAA
GTCCTCCAGCAGAATCTTCAGGGTTACGATGCCAAGTCCGATATCTACAGTGTGGGAATCACAGCATGTG
AACTAGCCAATGGCCATGTCCCCTTCAAAGATATGCCTGCCACTCAGATGCTGCTAGAAAAACTTAATGG
CACAGTGCCCTGCCTGCTGGACACCAGCACCATCCCTGCCGAGGAGCTGACCATGAGTCCCTCCCGCTCC
ATCGCCAACCCTGGCCTGAATGACAGCCTGGCTGCTGGTAGCCTCCGGCCTTCCAATGGCGACTCGCCTT
CCCACCCCTACCACCGAACCTTCTCGCCTCACTTCCACAACTTTGTGGAACAGTGCCTTCAGCGCAACCC
TGACGCAAGGCCAAACGCCAGCACCCTGCTGAACCACTCCTTCTTCAAGCAGATCAAGCGGCGTGCTTCC
GAGGCTTTGCCTGAGTTGCTCCGCCCAGTCACTCCCATCACCAACTTCGAGGGCAGCCAGTCTCAGGATC
ACAGTGGAATCTTCGGCCTGGTGACAAACCTAGAAGACCTGGAGGTGGATGACTGGGAGTTC

ACGCGTACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
ACAAGGATGACGACGATAAGGTTTAA

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Protein Sequence:

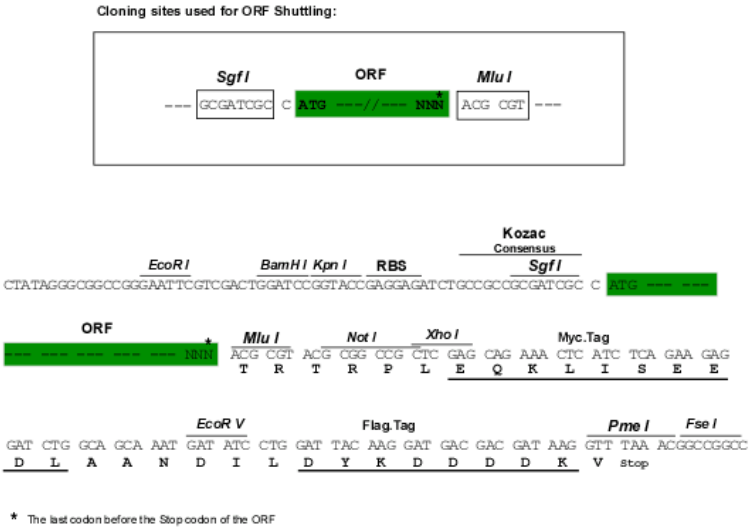
>MR206159 protein sequence
Red=Cloning site Green=Tags(s)

MSFLANEASSESIASFSKPEMMSSFLPEGGCYELLTIIGKGFEDLMTVNLARYKPTGEYVTVRRINLEAC
SNEMVTFLQGELHVSKLFSHPNIVPYRATFIADNELWVVTSFMAYGSAKDLIGTHFMDGMNELAIAYILQ
GVLKALDYIHHMGYVHRSVKASHILISTDGKVYLSGLRSNLSMISHGQRQRAVHDFPKYSIKVLPWLSPE
VLQQNLQGYDAKSDIYSVGITACELANGHVPFKDMPATQMLLEKLNGTVPCLLDTSTIPAEELTMSPSRS
IANPGLNDSLAAGSLRPSNGDSPSHPYHRTFSPHFHNFVEQCLQRNPDARPNASTLLNHSFFKQIKRRAS
EALPELLRPVTPITNFEGSQSQDHSGIFGLVTNLEDLEVDDWEF

TRTRPLEQKLISEEDLAANDILDYKDDDDKV

Restriction Sites: SgfI-MluI

Cloning Scheme:



ACCN: NM_028126

ORF Size: 1185 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: 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: 2432 bp

RefSeq ORF: 1185 bp

Locus ID: 72149

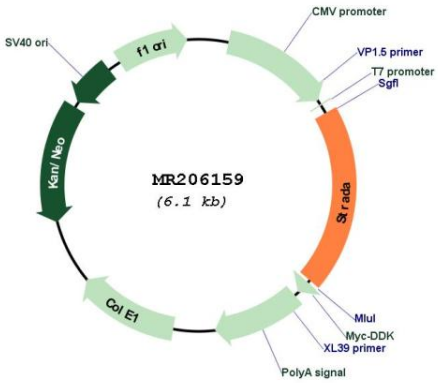
UniProt ID: Q3UUJ4

Cytogenetics: 11 E1

MW: 43.8 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]

Product images:



Circular map for MR206159