

Product datasheet for **MG206623**

Stradb (NM_172656) Mouse Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Stradb (NM_172656) Mouse Tagged ORF Clone
Tag:	TurboGFP
Symbol:	Stradb
Synonyms:	AA792893; Als2cr2; B830008M19; D1Ucla2; ILPIP; ILPIPA; Papk; PRO1038; Syradb
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-AC-GFP (PS100010)
E. coli Selection:	Ampicillin (100 ug/mL)
ORF Nucleotide Sequence:	>MG206623 representing NM_172656 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCC**CGATCGCC**

ATGTCTCTTTGGATTGTTTCTGTGCTTCACGAACACGAGTCGAATCACTCAGACCCGAAAAACAGTCTG
AAACCAGTATCCATCAGTACTTGGTTGATGAGTCAGCCATTTCCCGGCCCTCCGTCGTAGAGCCAG
TGAGGTGATCTGCTCCACTGACGTGTCTACTATGAAGTGAAGTGGAGATAGGAAGAGGGTTTGACAAC
TTGACCTCTGTTTCATCTGCACGGCACACTCTACAGGAACACTGTAAGTAAAGATTACAACTCGG
AAAGCTGCACTGAAGAAGCTCTGAAAGCTTTACAGAGAGCAGTGATTCTATCTCACTTTTCCAACATCC
CAATATTACAACCTATTGGACAGTGTCTACTGTTGGCAGCTGGCTTTGGGTTATTTCTCCATTTATGGCC
TACGGTTCAGCAAGTCAGCTCCTAAGGACCTACTTTCCTGATGGAATGAGTGAGACTTTAATAAGAAACA
TTCTCTTTGGAGCAGTACAAGGGTTGAACTATCTGCACCAAAATGGCTGTATCCATAGGAGTTTTAAAGC
CAGCCATATCCTCATTCTGGTGTGGCTGGTGACCCTCTGGCCTGTCCCACCTGCATAGTTTGCTT
AAGCACGGACAAAGGCATAGGGCTGTGTTTGTATTTCCACAGTTCAGCACATCAGTGCAGCCGTGGCTGA
GTCCAGAACTACTGAGACAGGATTTACATGGATATAATGTGAAGTCAGATATTTACAGTGTGGGATCAC
AGCCTGTGAATTTGGCCAGCGGACAGTACCTTTCCAGGACATGCATAGGACTCAGATGCTATTACAGAAA
CTGAAAGTCTCCGTATAGCCCACTGGATGTCAGTATTTTTCTCAGTCAGACTAGAATGAGAAAT
CCAGTCAGGAGTAGACTCTGGGATTTGGAGAGAGTGTGCTTGTCTCCACTGGAACCTCACAGTCAATAG
TGACCGGCTCCATACGCCATCCACAAAGACGTTCTCTCCTGCCTTTCTAGCTTGGTGCAGCTGTGTTTG
CAGCAAGATCCTGAGAAAAGGCCATCAGCAAGCAGTTTGTGTCCATGTATTCTTCAAGCAGATGAAAAG
AAGAAAGCCAGGATTCATACTTCCCCTGTTGCCACCTGCTTATAACAGGCCATCAGCGTCACTGCAGCC
AGTGTCCGGTGGAGCGAGCTGGAATTCAGTTTCTGATGACAAAGACCCAGTGTGGGAATTC

ACGGTACGGGCCGCTCGAG - GFP Tag - GTTTAA



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Protein Sequence: >MG206623 representing NM_172656
Red=Cloning site Green=Tags(s)

```
MSLLDCFCASRTRVESLRPEKQSETSIHQYLVDESAISRPPPSARASEVICSTDVSHYELQVEIGRFDN
LTSVHLARHTPTGTLVTVKITNLESCTEERLQRAVILSHFFQHPNITTYWTVFTVGSWLWVISPFMA
YGSASQLLRITYFPDGMSETLIRNILFGAVQGLNYLHQNGCIHRSEKASHILISGDGLVTL SGLSHLHSL
KHGQRHRAVDFDPQFSTSVQPWLSPELLRQDLHGYNVKSIDIYSGVITACELASGQVPFQDMHRTQMLLQK
LKGPYSPLDVSIFPQSDSRMRNSQSGVDSGIGESVLVSTGTHTVNSDRLHTPSTKTFSPAFLSLVQLCL
QQDPEKRPSASSLLSHVFFKQMKESQDSILPLLPPAYNRPSASLQPVSPWSELEFQFPDDKDPVWEF
```

TRTRPLE - GFP Tag - V

Restriction Sites: SgfI-MluI

Cloning Scheme:



ACCN: NM_172656

ORF Size: 1254 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_172656.5](#), [NP_766244.4](#)

RefSeq Size: 2338 bp

RefSeq ORF: 1257 bp

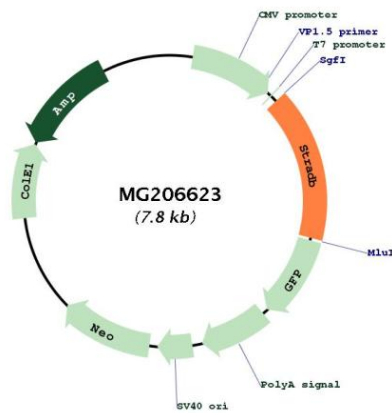
Locus ID: 227154

UniProt ID: [Q8K4T3](#)

Cytogenetics: 1 29.2 cM

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 MG206623