

Product datasheet for MR206585

Stk26 (NM_133729) Mouse Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Stk26 (NM_133729) Mouse Tagged ORF Clone
Tag:	Myc-DDK
Symbol:	Stk26
Synonyms:	2610018G03Rik; Mst4
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
ORF Nucleotide Sequence:	>MR206585 ORF sequence Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCC**CGATCGCC**

ATGGCCCACTCACGGTGGCTGTTCAAGTGCCTGGGATGCAGAATAATATAGCAGATCCAGAAGAAGTGT
TCACAAAATTAGAGCGCATTGGAAAAGGCTCCTTTGGAGAAGTTTTCAAAGGAATTGATAACCGTACTCA
GCAAGTGGTTGCAATTAATCATTGACCTTGAGGAAGCTGAGGATGAAATAGAAGACATCCAACAAGAA
ATAACTGTTTTGAGTCAGTGCACAGCTCATATGTAACAAAATACTATGGGTCTATTTAAAGGGTTCAA
AACTATGGATAAATGGAATACCTAGGTGGAGGTTTCAGCATTGGATCTTCTGCGTGCTGGTCCATTTGA
TGATTTCCAGATTGCCACCATGCTCAAGGAGATTTTAAAAGGTCTGGACTATCTACATTCTGAAAAGAAA
ATCCACCAGACATTAAGCTGCCAACGCTTGTCTTTCAGAACAAAGGTGATGTTAAACTGGCTGACTTTG
GAGTTGCTGGCCAGCTGACAGATACACAAATCAAAGAAACACCTTCGTAGGGACTCCGTTTTGGATGGC
TCCTGAAGTTATCAACAGTCAGCTTATGACTCTAAAGCTGACATATGGTCTTTGGGAATTACTGCTATT
GAACTTGCCAAGGGAGAGCCTCCGAATTCGACATGCATCCAATGAGAGTTCTGTTTCTTATCCAAAA
ACAACCCCAACTCTTATTGGAGACTTACTAAGTCTTCAAGGAGTTTATTGATGCTTGCCCTGAATAA
AGACCCGTCATTCGTCCTACAGCTAAAGAAGCTTTGAAGCATAAGTTCATCGTAAAAAATCAAAGAAG
ACTTCTTATCTGACTGAATTGATCGATCGATTTAAGAGATGGAAGGCAGAAGGCCACAGTGATGAGGAAT
CTGATTCGAGGGCTCTGACTCGGAATCCAGCAGCAGGAAAGTAACCCCTACCCTGAATGGAGTTTCAC
CACTGTGCGTAAGAAGCCTGATCCAAAGAACTGCAGAATGGGGAAGAGCAAGATCTTGTGCAAACCTTG
AGCTGTTTGTCTATGATAATCACACCTGCATTTGCCGAACCTAAACAGCAGGACGAGAATAATGCGAGTC
GAAACCAGGCAATTGAAGAAGCTTGAAGAAAGTATTGCTGTGGCTGAAACCGCCTGTCTGGCATCACAGA
TAAGATGGTGAAGAACTAATCGAAAAATTTCAAAGTGTCTGCGGATGAATCCCT

ACGGTACGGCGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAATGATATCCTGGATT
ACAAGGATGACGACGATAAGGTTTAA



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Protein Sequence: >MR206585 protein sequence
 Red=Cloning site Green=Tags(s)

MAHSPVAVQVPGMQNNIADPEELFTKLERIGKGSFGEVFKGIDNRTQQVVAIKIIDLEEADEIEDIQQE
 ITVLSQCDSSYVTKYYGSYLKGSKLWIIMEYLGGSALDLLRAGPFDEFQIATMLKEILKGLDYLHSEKK
 IHRDIKAANVLLSEQGDVKLADFGVAGQLTDTQIKRNTFVGTFFWMAPEVIQQSAYDSKADIWSLGITAI
 ELAKGEPNSDMHPMRVLFLLIPKNNPPTLIGDFTKSFKEFIDACLNKDPSFRPTAKELLKHKFIVKNSKK
 TSYLTELIDRFKRWKAEGHSDEESDSEGSSESSRESNPHPEWSFTTVRKKPDPKQLQNGEEQDLVQTL
 SCLSMIITPAFAELKQQDENNASRNQAIEELEKSIAVAETACPGITDKMVKKLIEKFQKCSADESP

TRTRPLEQKLISEEDLAANDILDYKDDDDKV

Restriction Sites: SgfI-MluI

Cloning Scheme:

Cloning sites used for ORF Shuttling:



* The last codon before the Stop codon of the ORF

ACCN: NM_133729

ORF Size: 1251 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_133729.2](#), [NP_598490.1](#)

RefSeq Size: 2016 bp

RefSeq ORF: 1251 bp

Locus ID: 70415

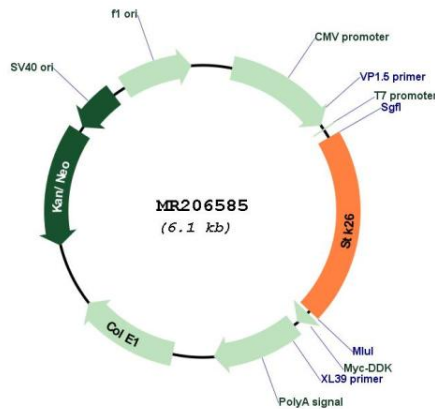
UniProt ID: [Q99JT2](#)

Cytogenetics: X A5

MW: 46.6 kDa

Gene Summary: Mediator of cell growth. Modulates apoptosis. In association with STK24 negatively regulates Golgi reorientation in polarized cell migration upon RHO activation.[UniProtKB/Swiss-Prot Function]

Product images:



Circular map for MR206585