

Product datasheet for **MR216720**

Stk33 (NM_054103) Mouse Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Stk33 (NM_054103) Mouse Tagged ORF Clone
Tag:	Myc-DDK
Symbol:	Stk33
Synonyms:	4921505G21Rik; AW061264
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)



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ORF Nucleotide Sequence:

>MR216720 representing NM_054103
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGGATCGCC**

ATGGCTGACCCAGCTTGAATGACAACCCTACAGCATGCCCTCACTGTGCATCCTCTCAGGCTGGCCTAC
 TGTGTGATGTCCAGCAGCAAGTCTCCAGTCTGGTGGTGGAAATGTCACAGACATCGAGTATTGGTAG
 TACAGAATTTTTGCTTCAAGAAGAAAAAGGAAAGAAATACCAGCAGAGAATCTTCTCTAAAAGAT
 TTGTCCATAAGAACTTCAAATGTGGAGAGAAAACCTCAGGCACAATGGAGTCGGAGCAATGTCACAGTAG
 GAAAAATCCACACATAAGAATGGACGATGGAGCAGGTATCGAGGAATCTATACCTTTGGAAGAATATT
 GGGACAGGGGAGCTTTGGAATGGTCTTTGAAGCTATAGACAAGGAAACAGGAGCTAAGTGGCAATTA
 AAAGTGAATAAGAAAAGGCTGGAAGTTCTGCAATGAAGCTACTGGAGCGGGAGGTGAGCATCCTGAAGA
 CTGTCAACCATCAACACATCATCCACTGGAACAAGTGTGAGTCGCCTCAGAAAATGTATCTCGTGAT
 GGAGCTTTGTGAGGATGGAGAACTCAAAGCAGTTATGGATCAAAGAGGGCACTTCTCAGAGAACGAGACA
 AGGCTGATAATCAAAGTCTTGATCAGCCATCGCATATCTTCATAACAAGGATATAGTGCACAGAGATC
 TAAAGCTGAAAAACATAATGGTTAAAAGCAGCTTTATAGATGATAACAATGAAATGAACTTAAACATAAA
 GGTGACTGATTTGGCTTGTCTGTGCAGAAGCATGGCTCCAGGAGTGAAGGCATGATGCAGACTACATGT
 GGGACTCCTATCTATATGGCACCAGAGGTCAATGCCATGACTACAGCCAGCAGTGTGACATTTGGA
 GCATAGGTGTCAATGTTCACTTTACTGTGTGGAGAGCCACCCTTTTGGCAAATTCAGAAGAAAAAGCT
 CTATGAATTAATAAAAAAGGGAAGTACGATTTGAAAATCCAGTCTGGGAATCTGTAAGTATTCTGCA
 AAAAATACTTTGAAACAACATCATGAAAGTAGATCCTGCTCACAGAATCACAGTAAGGAACTTCTAGATA
 ACCAATGGTTGACAGGCAATACCCTTTCTCAGCAAGACCAACCAATGTATTAGAATGATGAAAGATG
 GAAAAATAACCCAGAAAAGTGTGAGGAGACCAACACAGATGAGGAGACTGAGCAGAGCGCTGTCTACAGT
 CCATCTGCAAAACACAGCAAAGCAGCCACCAATGCAGCCAAGAAGCCTGCTGCAGAGAGTGTGGCATGA
 CCTCTTCAAACATCATCGTCCAGCAAACCTGTGTGCTGAAAGCAAAGCAGAACCAGAGAAAAGCTCCGA
 GACTGTAGGCCATGCATCAGTGGCTAAAACCACTCTGAAATCCACTACCTTGTTCGAGGCAAGAAAAGG
 CTC

ACGCGTACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
 ACAAGGATGACGACGATAAGGTTTAA

Protein Sequence:

>MR216720 representing NM_054103
 Red=Cloning site Green=Tags(s)

MADPSLNDNPTACPHCASSQAGLLCVCAPAGKSPVLVVEMSQTSSTIGSTEFFASQERKKERNTSRESSLKD
 LSIRTSNVERKPQAQWSRSNVTVGKIPHIRMDDGAGIEEFYTFGRILGQGSFGMVFEAIDKETGAKWAIK
 KVNKEKAGSSAMKLLEREVSILKTVNHQHIHLEQVFESPOKMYLVMELCEDGELKAVMDQRGHFSENET
 RLIIQSLASAIAYLHNKDIVHRDLKLENIMVKSSFIDNEMNLNIKVTDFGLSVQKHGSRSEGMMQTTC
 GTPIYMAPEVINAHDYSQQCDIWSIGVIMFILLCGEPPFLANSEEKLYELIKKGELRFENPVWESVSDSA
 KNTLTKQLMKVDPAHRITAKELLDNQWLTGNTLSSARPTNVLEMMKEWKNNPESDEETNTDEETEQSAYVS
 PSANTAKQPTNAAKKPAESVGMTSSNSSSKLLSAESKAPEKSSETVGHASVAKTTLKSTTLFRGKKR
 L

TRTRPLEQKLISEEDLAANDILDYKDDDDKV

Chromatograms:

https://cdn.origene.com/chromatograms/mm9010_b10.zip

Restriction Sites:

Sgfl-Mlul

Cloning Scheme:


ACCN: NM_054103

ORF Size: 1473 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_054103.1](#), [NP_473444.1](#)

RefSeq Size: 2402 bp

RefSeq ORF: 1476 bp

Locus ID: 117229

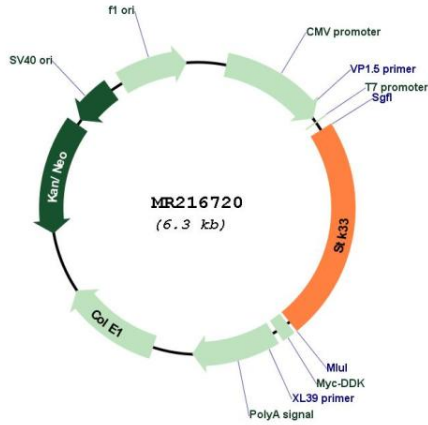
UniProt ID: [Q924X7](#)

Cytogenetics: 7 57.21 cM

MW: 54.9 kDa

Gene Summary: Serine/threonine protein kinase which phosphorylates VIME. May play a specific role in the dynamic behavior of the intermediate filament cytoskeleton by phosphorylation of VIME. [UniProtKB/Swiss-Prot Function]

Product images:



Circular map for MR216720