

Product datasheet for **MR207422**

Stk38 (NM_134115) Mouse Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Stk38 (NM_134115) Mouse Tagged ORF Clone
Tag:	Myc-DDK
Symbol:	Stk38
Synonyms:	5830476G13Rik; 9530097A09Rik; AA617404; Ndr1
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)



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ORF Nucleotide Sequence:

>MR207422 ORF sequence
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGCATCGCC**

ATGGCAATGACAGGATCAACACCTTGCTCATCCATGAGTAATCATACGAAGGAGAGGGTGACAATGACCA
 AAGTGACACTGGAGAATTTTATAGCAACCTTATCGCTCAACATGAAGAACGAGAAATGAGACAAAAGAA
 GTTAGAAAAGGTGATGGAAGAAGAAGGCCGTGAAAGACGAAGAGAAACGACTCAGAAGATCCGCGCACGCT
 CGGAAGGAAAACAGAGTTTCTTCGATTAAGAGAAACAAGGCTTGGACTGGAAGATTTTGTAGCTTTAAAG
 TCATAGGCCGAGGAGCATTGTTGAGGTGCGGCTTGTTCCAGAAGAAAGACACAGGGCATGTGTACGCAAT
 GAAAATCTGCGCAAAGCAGACATGCTCGAGAAGGAGCAGTTGGCCACATTCGTGCGGAGCGTGACATT
 CTAGTGGAGGCAGACAGTTTGTGGTGTGAAAATGTTCTATAGTTTTCCAGGATAAGCTAAACCTCTACC
 TAATCATGGAGTTCCTGCCTGGAGGGGACATGATGACTTTATTGATGAAAAAAGATACTCTGACAGAAGA
 GGAGACTCAGTTTTATATAGCAGAGACAGTATTAGCCATAGACTCCATTCACCAGCTGGGATTCATCCAC
 AGAGATATCAAGCCAGACAACCTTCTCTTGACAGCAAGGGCCATGTGAAACTTTCCGACTTTGGCCTTT
 GCACAGGCCTGAAAAAGCACACAGGACAGAATTTTATAGGAACCTGAACCACAGCCTGCCAGTGATT
 CACTTTTCAGAACATGAATTCAAAAGGAAAGCAGAGACTGGAAAAAGAAACAGACGCCAGCTAGCCTTC
 TCTACAGTGGGACTCCTGACTACATTGCTCCAGAGGTGTTTATGCAGACGGGTTACAACAAGCTCTGCG
 ATTTGGTGGTCGCTCGGGTAATCATGTATGAGATGCTCATCGGCTACCCACCATTCTGCTCCGAGACCCC
 ACAAGAGACATAACAAGAAAGTGAAGTGAAGTGAAGTGAAGTGAAGTGAAGTGAAGTGAAGTGAAGTGAAG
 GAGAAAGCCAAGGGCCTGATTCTGAGGTTCTGCTGTGAATGGGAACATAGAATCGGAGCCCCTGGAGTTG
 AAGAAATAAAAATAATCTTTTTTTTGAAGGTGTTGACTGGGAACACATCAGGGAGAGACAGCTGCGGAT
 ATCTATTGAAATCAAGAGCATCGATGATACCTCAAACCTTCGATGAATTTCCAGAGTCTGATATTCTTAAG
 CCCACAGTGACCAAGTAGTCATCCTGAGACGGACTACAAGAACAAGACTGGGCTTTCATCAATTACA
 CATAAAGCGCTTCGAGGGCCTGACAGCCAGGGGGCCATACCTTCGTACATGAAAGCAGCAAAA

ACGCGTACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAATGATATCCTGGATT
 ACAAGGATGACGACGATAAGGTTTAA

Protein Sequence:

>MR207422 protein sequence
 Red=Cloning site Green=Tags(s)

MAMTGSTPCSSMSNHTKERVMTKVTLENFYSNLIAQHEEREMRQKLEKVMEEGLKDEEKRLRRSAHA
 RKETEFRLRKTRLGLEDFESLKVIGRAFGEVRLVQKDTGHVYAMKILRKADMLEKEQVGHIRAERDI
 LVEADSLVWVKMFYSFQDKLNLYLIMEFLPGDMMTLLMKKDTL TEEETQFYIAETVLAIDSIHQLGFIH
 RDIKPDNLLLDSKGHVKLSDFGLCTGLKKAHRTEFYRNLNHSPLPSDFTFQNMNSKRKAETWKRNRRLAF
 STVGTDPDYIAPEVFMQTGYNKLCDWWSLGVIMYEMLIGYPPFCSETPQETYKKVMNWKETLTFPPEVPS
 EKAKGLILRFCEWEHRIGAPGVIEIKNNLFFEGVDWEHIRERPAAISIEIKSIDDSNFDEFPESDILK
 PVTVTSSHPETDYKNKDWFVINYTYKRFELTARGAIPSYMKAAK

TRTRPLEQKLISEEDLAANDILDYKDDDDKV

Restriction Sites:

SgfI-MluI

Cloning Scheme:


ACCN: NM_134115

ORF Size: 1398 bp

OTI Disclaimer: Due to the inherent nature of this plasmid, standard methods to replicate additional amounts of DNA in E. coli are highly likely to result in mutations and/or rearrangements. Therefore, OriGene does not guarantee the capability to replicate this plasmid DNA. Additional amounts of DNA can be purchased from OriGene with batch-specific, full-sequence verification at a reduced cost. Please contact our customer care team at custsupport@origene.com or by calling 301.340.3188 option 3 for pricing and delivery.

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_134115.3](#)

RefSeq Size: 3288 bp

RefSeq ORF: 1398 bp

Locus ID: 106504

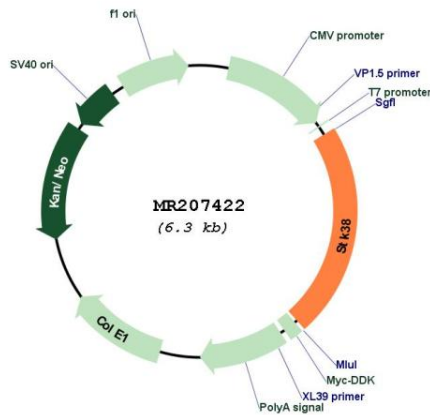
UniProt ID: [Q91VJ4](#)

Cytogenetics: 17 A3.3

MW: 54.2 kDa

Gene Summary: Negative regulator of MAP3K1/2 signaling. Converts MAP3K2 from its phosphorylated form to its non-phosphorylated form and inhibits autophosphorylation of MAP3K2 (By similarity). [UniProtKB/Swiss-Prot Function]

Product images:



Circular map for MR207422