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Product datasheet for RR211653

Skap2 (NM_130413) Rat Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Skap2 (NM_130413) Rat Tagged ORF Clone
Tag:	Myc-DDK
Symbol:	Skap2
Synonyms:	Scap2; Scap55r
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
Cell Selection:	Neomycin
ORF Nucleotide Sequence:	>RR211653 representing NM_130413 Red=Cloning site Blue=ORF Green=Tags(s) TTTTGTAATACGACTCACTATAGGGCGGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC GCCGCGATCGCC ATGCCCAACCCCGGCAGTACCTCCTCTCCCGGCTCAATCCCTGAGGAAATTAGGAACCTGTTGGCAGATG TTGAAACATTTGTGGCAGACACACTGAAAGGGGAAAATTTATCCAAGAAAGCCAAGGAAAAGAGAGACTC TCTCATTAAGAAGATAAAAGATGTAAAGTCTGTCTATCCTCAGGAATTTCAAGACAAAGGTGATGCCGAG GAGGGGGATGAATATGATGATCCTTTTGCTGGGCCTCCAGACACGATTTCCTTAGCCTCAGAACGCTATG ACAAAGATGACGATGGCCCCTCTGATGGAAACCAGTTTCCTCCCATTGCAGCCCAGGACCTTTCTTTTGT CATAAAGGCTGGTTACCTGGAAAAACGCAGAAAAGATCACAGCTTTCTGGGGTTTGAATGGCAGAAACGG TGGTGTGCTCTCAGCAAAACAGTGTTCTATTATTACGGGAGTGATAAAGACAAACAACAGAAAGGGGAAT TTGCCATAGAGGGCTATGACGTCAGAATGAACAACACCCTTAGGAAGGATGCAAAGAAAGATTGCTGTTT CGAAATCTGTGCTCCCGATAAACGTATCTATCAGTTTACAGCAGCCTCTCCCAAAGATGCTGAGGAATGG GTCCAGCAGCTGAAATTCATATTACAAGACATGGGATCTGACGTTATTCCCGAGGATGAAGATGAAAAAG GGGACTTATATGATGATGTTGATCATCCTGTTCCGGTCAGCAGCCCACAAAGGAGCCAACCAATAGATGA TGAAATTTATGAGGAACTTCCAGAGGAGGAAGAGGACACCGCTTCAGTGAAGATGGACGAACAAGGGAAG GGGAGTCGGGACAGTGTACAGCATCCCTCAGGAGATAAAAGCACCGATTATGCTAATTTTTACCAGGGCT TGTGGGACTGCACTGGATCTCTTTCTGATGAGTTGTCCTTTAAGCGTGGTGATGTGATTTACATTCTTAG CAAGGAATACAATAGATATGGCTGGTGGGTAGGAGAAATGCAGGGAGCCATTGGCTTGGTGCCTAAAGCC TACCTAATGGAGATGTATGATATT ACGCGTACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT ACAAGGATGACGACGATAAGGTTTAA

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Protein Sequence:

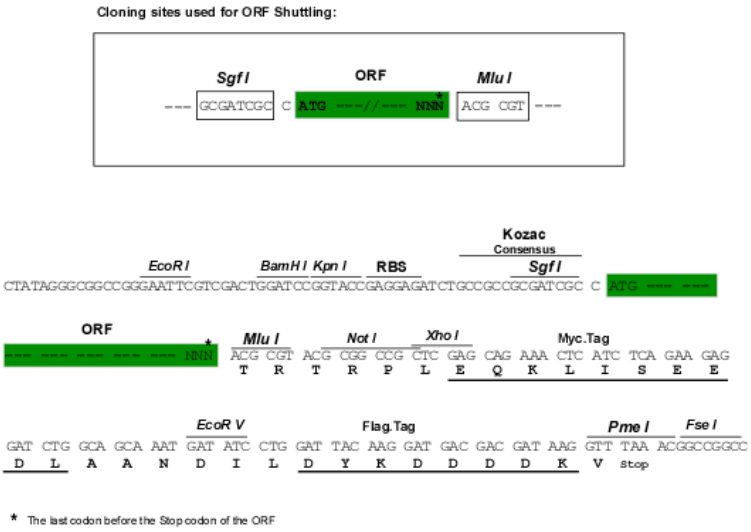
>RR211653 representing NM_130413
Red=Cloning site Green=Tags(s)

MPNPGSTSSPGSIPEEIRNLLADVETFVADTLKGENLSKKAKEKRDSLIKKIKDVKSVYPQEFQDKGDAE
EGDEYDDPFAGPPDTISLASERYDKDDDGPSDGNQFPPIAAQDLSFVIKAGYLEKRRKDHSFLGFEWQKR
WCALSKTVFYYYGSDKDKQQKGEFAIEGYDVRMNNTLRKDAKKDCCFEICAPDKRIYQFTAASPKDAEEW
VQQLKFILQDMGSDVIPEDEDEKGDLYDDVDHPVPVSSPQRSQPIDDEIYEELPEEEEDTASVKMDEQGK
GSRDSVQHPSGDKSTDYANFYQGLWDCTGSLSDELSFKRGDVIYILSKEYNRYGWWVGEMQGAIGLVPKA
YLMEMYDI

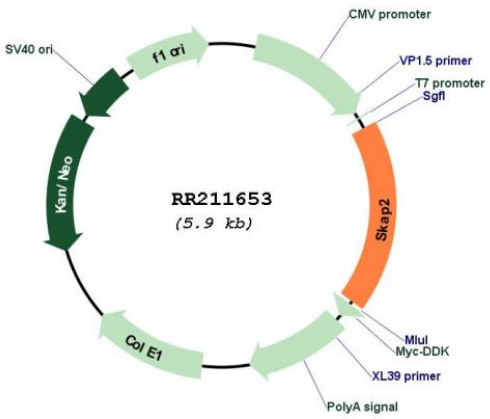
TRTRPLEQKLISEEDLAANDILDYKDDDDKV

Restriction Sites: SgfI-MluI

Cloning Scheme:



Plasmid Map:



ACCN: NM_130413

ORF Size:	1074 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_130413.1, NP_569097.1
RefSeq Size:	1628 bp
RefSeq ORF:	1077 bp
Locus ID:	155183
UniProt ID:	Q920G0
Cytogenetics:	4q24
MW:	40.7 kDa
Gene Summary:	mouse homolog is a SRC family kinase substrate and may be involved in differentiation and cell growth [RGD, Feb 2006]