

Product datasheet for MR224098

Sbk2 (NM_001146329) Mouse Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Sbk2 (NM_001146329) Mouse Tagged ORF Clone
Tag:	Myc-DDK
Symbol:	Sbk2
Synonyms:	Gm1079; Sgk069
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
ORF Nucleotide Sequence:	>MR224098 representing NM_001146329 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCC**CGATCGCC**

ATGCCAGGCAAACAGTCAGAAGACAAGCCAATGGAAGTGTCAACTGTGGAGGATGGAGGTGATGAAGGCC
TGGGAGGCTAACGGTAGAGGAGCTGCAGCAGGGGCAGGAGGCTGCTCTGGCCTTGGAGGACATGATGGC
TCTGAGTGCCAGACCCTGGTCCAACTGAGGTGGAAGAGCTGTACGAGGAAGTGCCTCCCTGGGCCAG
GGCCGGTTCGGCCGTGCTCTGCTGGTTACTCACCGCCAGAAAGGAACACCCTGGCGCTGAAGCAGCTCC
CGAAGCAATCCACTTCCCTCCGTGGCTTCTGTATGAGTTCTGCGTGGCCTCTCACTTGGCACACATTC
TGCCATCGTGACAGCCTATGGCATTGGCATTGAGTCAGCCAATTCCTACAGCTTCCCTGACAGAACCTGTC
CTCCATGGGGACCTAATCACCTTCATCCAGCCCAAGGTGGGTCTCCACAGCCAGCAGCCACGCGTGTG
CAGCCCAACTGGCCTCTGCCCTGGAACACATTCCTCGCATGGCCTGGTGTACCGGGACTTGAAGCCAGA
GAATGTGCTGGTGTGACCCAGCCTGCCAGCGCTCAAGCTGACAGACTTCGGCCACACCCGGCCCCGA
GGGACCCTGCTCCGACTCACTGGCCACCTATCCCTACACTGCCCTGAGCTCTGTGCCACACACCCC
TCCCGAGGGACTACCATCCAACCTTCCCTGGATGCCTGGGCCCTAGGGTCTGATCTTCTGCCTCT
TACTGGCTACTTCCCCTGGGACCAGCCCCTGGTGGAGTTGACCCCTTTCTTTGAGGACTTCTCATCTGG
CAGGCTTCTGGTCAGCCCAAGACCGGCCACAGCCCTGGTATAGCCTGTCACTGCAGCAGACACTCTCC
TATGGGGCTGCTAGATCCTCACCCCGGAAGAGGAACCTGTGGGCTCCATCAAGAGCTATCTAGGCCA
ACCCTGGAAGCAGAGGGAAGGGGAGGCTGAGGAATTGGCAACGGAGCTGAGAGAAGATGGGTGGAGAGGA
GGGCAGGAGGCTGCAAAGGGGGAGCAACCTGCATGC

ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
ACAAGGATGACGACGATAAGGTTTAA



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Protein Sequence: >MR224098 representing NM_001146329
Red=Cloning site Green=Tags(s)

MPGKQSEDKPMEVSTVEDGGDEGLGGLTVEELQQGQEAALALEDMMALSAQTLVQTEVEELYEEVRPLGQ
 GRFGRVLLVTHRQKGTPLALKQLPKQSTSLRGLYEFVGLSLGTHSAIVTAYGIGIESANSYSFLTEPV
 LHGDLITFIQPKVGLPQAAQRCAAQLASALEHIHSHGLVYRDLKPENLVCDPACQRVKLTDFGHTRPR
 GTLLRLTGPPIPYTAPELCAAPPPLPEGLPIQPSLDAWALGVLIFCLLTGYFPWDQPLVEVDPPFFEDFLIW
 QASGQPQDRPQWYSLSPAADTLWGLLDPHPRKRNPVGSIKSYLGQPWKQREGEAEELATELREDGWRG
 GQEAAKGEQPAC

TRTRPLEQKLISEEDLAANDILDYKDDDDKV

Chromatograms: https://cdn.origene.com/chromatograms/mm9010_d07.zip

Restriction Sites: SgfI-MluI

Cloning Scheme:



ACCN: NM_001146329

ORF Size: 1086 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_001146329.2](#)

RefSeq Size: 1139 bp

RefSeq ORF: 1089 bp

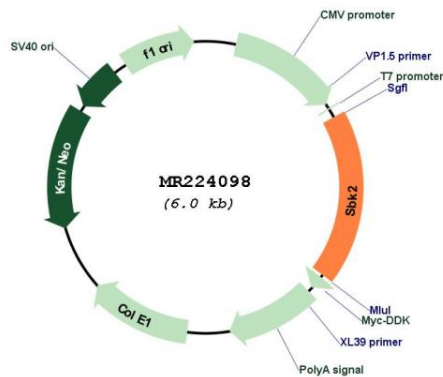
Locus ID: 381836

UniProt ID: [P0C5K1](#)

Cytogenetics: 7 A1

MW: 40.1 kDa

Product images:



Circular map for MR224098