

Product datasheet for **MG224098**

Sbk2 (NM_001146329) Mouse Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Sbk2 (NM_001146329) Mouse Tagged ORF Clone
Tag:	TurboGFP
Symbol:	Sbk2
Synonyms:	Gm1079; Sgk069
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-AC-GFP (PS100010)
E. coli Selection:	Ampicillin (100 ug/mL)
ORF Nucleotide Sequence:	>MG224098 representing NM_001146329 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCC**CGATCGCC**

ATGCCAGGCAAACAGTCAGAAGACAAGCCAATGGAAGTGTCAACTGTGGAGGATGGAGGTGATGAAGGCC
TGGGAGGCTAACGGTAGAGGAGCTGCAGCAGGGGCAGGAGGCTGCTCTGGCCTTGGAGGACATGATGGC
TCTGAGTGCCAGACCCGTGTCACAACTGAGGTGGAAGAGCTGTACGAGGAAGTGCCTCCCTGGGCCAG
GGCCGGTTCGGCCGTGCTCTGCTGGTTACTCACCGCCAGAAAGGAACACCCCTGGCGCTGAAGCAGCTCC
CGAAGCAATCCACTTCCCTCCGTGGCTTCTGTATGAGTTCTGCGTGGCCTCTCACTTGGCACACATTC
TGCCATCGTGACAGCCTATGGCATTGGCATTGAGTCAGCCAATTCCTACAGCTTCCCTGACAGAACCTGTC
CTCCATGGGGACCTAATCACCTTCATCCAGCCCAAGGTGGGTCTCCACAGCCAGCAGCCACGCGTGTG
CAGCCCAACTGGCCTCTGCCCTGGAACACATTCCTCGCATGGCCTGGTGTACCGGGACTTGAAGCCAGA
GAATGTGCTGGTGTGACCCAGCCTGCCAGCGCTCAAGCTGACAGACTTCGGCCACACCCGGCCCCGA
GGGACCTGCTCCGACTCACTGGCCACCTATCCCTACACTGCCCTGAGCTCTGTGCCACACACCC
TCCCGAGGGACTACCATCCAACCTTCCCTGGATGCCTGGGCCCTAGGGTCTGATCTTCTGCCTCT
TACTGGCTACTTCCCTGGGACCAGCCCTGGTGGAGTTGACCCTTCTTTGAGGACTTCTCATCTGG
CAGGCTTCTGGTCAGCCCAAGACCGGCCACAGCCCTGGTATAGCCTGTACCTGCAGCAGACACTCTCC
TATGGGGCTGCTAGATCCTCACCCCGGAAGAGGAACCTGTGGGCTCCATCAAGAGCTATCTAGGCCA
ACCCTGGAAGCAGAGGGAAGGGGAGGCTGAGGAATTGGCAACGGAGCTGAGAGAAGATGGGTGGAGAGGA
GGCAGGAGGCTGCAAAGGGGGAGCAACCTGCATGC

ACCGTACGCGGCCGCTCGAG - GFP Tag - GTTTAA



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Protein Sequence: >MG224098 representing NM_001146329
 Red=Cloning site Green=Tags(s)

MPGKQSEDKPMEVSTVEDGGDEGLGGLTVEELQQGQEAALALEDMMALSAQTLVQTEVEELYEEVRPLGQ
 GRFGRVLLVTHRQKGTPLALKQLPKQSTSLRGFLYEFVGLSLGTHSAIVTAYGIGIESANSYSFLTEPV
 LHGDLITFIQPKVGLPQAAQRCAAQLASALEHIHSHGLVYRDLKPENLVCDPACQRVKLTDFGHRPR
 GTLLRLTGPPPIPYTAPELCAAPPPLPEGLPIQPSLDAWALGVLIFCLLTGYFPWDQPLVEVDPFEDFLIW
 QASGQPQDRPQPWYSLSPAADTLWGLLDPHPRKRNVPVGSIKSYLGQPWKQREGEAEELATELREDGWRG
 GQEAAKGEQPAC

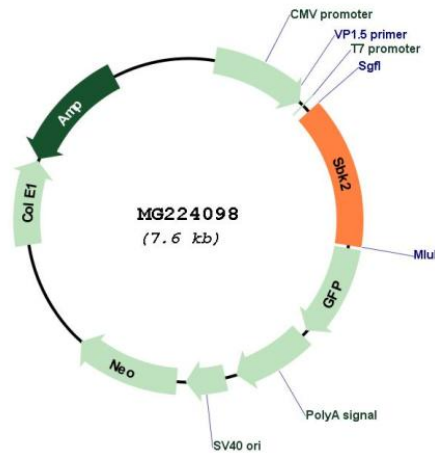
TRTRPLE - GFP Tag - V

Restriction Sites: SgfI-MluI

Cloning Scheme:



Plasmid Map:



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:	<ol style="list-style-type: none">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