

Product datasheet for **MR217894**

Sv2c (NM_029210) Mouse Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Sv2c (NM_029210) Mouse Tagged ORF Clone
Tag:	Myc-DDK
Symbol:	Sv2c
Synonyms:	4930527L09Rik; AI841971
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)



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ORF Nucleotide
Sequence:

>MR217894 representing NM_029210
Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCC**CGGATCGCC**

ATGGAAGACTCCTACAAGGATAGGACTTACTGATGAAGGGTGCCAAGGACATTGCCAAAGAGGTGAAGA
AGCAGACGGTGAAGAAGGTGAACCAGGCAGTGGATCGGGCCAGGATGAATATACCCAGCGGTCTACAG
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ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
ACAAGGATGACGACGATAAGGTTTAA

Protein Sequence: >MR217894 representing NM_029210
Red=Cloning site Green=Tags(s)

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MEDSYKDR TSLMKGAKDIAKEVKKQTVKKVNQAVDRAQDEY TQRSYSRFQDEEDDDYPPGETYSGEVN
DDEGSSEATEGHDEEDEIYEGEYQGI PSTNQKDSIVSVGQPKGDEYKDRRELESERRADEEELAQQYEL
IIQECGHGRFQWALFFVLGMALMADGVEFVVGFLPSAETDLCIPNSGSGWLGSIVYLGMMVGAFFWGG
LADKVGRKQSL LICMSVNGFFAFLSSFVQGYGFFLVCRLLSGFGIGGAIPTVF SYFAEVLAREKRGEHLS
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GKHDEAWMILKLIHDTNMRARGQPEKVFTVNKIKTPKQIDELIEIESDTGTWYRRCFVIRITELYGIWLT
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SFLHNKTCQITFDDYSAYWIYFVNFLGTLAVLPGNIVSALLMDRIGRLTMLGGSMVLSGISCF FLWFG
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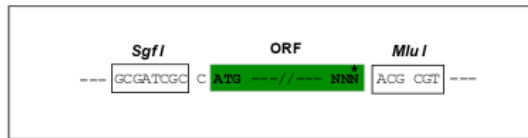
TRTRPLEQKLISEEDLAANDILDYKDDDDKV

Chromatograms: https://cdn.origene.com/chromatograms/mm9004_e04.zip

Restriction Sites: SgfI-MluI

Cloning Scheme:

Cloning sites used for ORF Shuttling:



* The last codon before the Stop codon of the ORF

ACCN: NM_029210

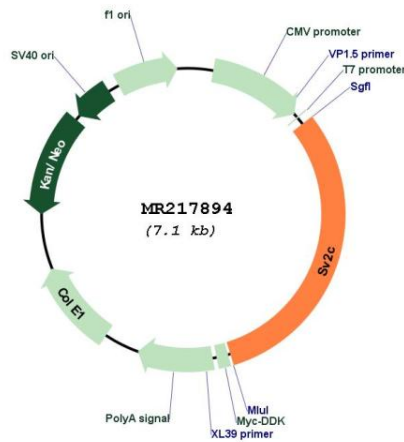
ORF Size: 2181 bp

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_029210.1 , NP_083486.1
RefSeq Size:	4252 bp
RefSeq ORF:	2184 bp
Locus ID:	75209
UniProt ID:	Q69ZS6
Cytogenetics:	13 D1
MW:	82.7 kDa
Gene Summary:	Plays a role in the control of regulated secretion in neural and endocrine cells, enhancing selectively low-frequency neurotransmission. Positively regulates vesicle fusion by maintaining the readily releasable pool of secretory vesicles.[UniProtKB/Swiss-Prot Function]

Product images:



Circular map for MR217894