

Product datasheet for **RR207120**

Sox7 (NM_001106045) Rat Tagged ORF Clone

Product data:

Product Type: Expression Plasmids
 Product Name: Sox7 (NM_001106045) Rat Tagged ORF Clone
 Tag: Myc-DDK
 Symbol: Sox7
 Vector: pCMV6-Entry (PS100001)
 E. coli Selection: Kanamycin (25 ug/mL)
 Cell Selection: Neomycin
 ORF Nucleotide Sequence: >RR207120 representing NM_001106045
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**GCGATCGCC**

ATGGCCTCGTTGCTGGGCGCTTACCCGTGGACCGAGGGACTGGAGTGTCTGCCCTGGAAGCCGAGCTGT
 CGGATGGGCTGTCGCCGCCCGCTCCCCGACCTTCAGGGGACAAGGGTTCAGAGAGCCGGATCCGGCG
 GCCCATGAATGCCTTCATGGTGTGGCCCAAGGATGAGAGGAAACGTCGGCAGTGCAGAACC CGGACCTG
 CACAACGCGGAGCTTAGCAAGATGCTGGGAAAGTCATGGAAGGCGCTGACTGTACAGAAGAGGCCCT
 ATGTGGATGAGGCAGAGCGGCTGCGCCTGCAGCACATGCAGGATTACCCTAACTACAAGTACCGACCCCG
 CAGGAAGAAACAAGGCAAGCGTCTCTGCAAGCGCTGGACCCTGGCTTCCTCCTGAGCTCCCTCTCTCGT
 GACCAGAACACGCTGCCTGAGAAAAACAGCATTGGCAGGGGGCCCTGGGGGAGAAGGAGGACAGGGGTG
 AGTACGCCCCAGGTGCCACCTTGCTGGACTGCACAGCTGCTACCGGGAAGGTGCAGCTGCTGCCCTGG
 CAGTGTGGACACATATCCCTACGGGCTGCCACACCCCCAGAGATGTCGCCCTGGATGCGCTGGAGCCG
 GAGCAGACCTTCTCTCGTCTCATGTCCAGGAGGAGCATGGCCACCCCATCACCTTCCCATCTACCAG
 GGCCCCCTTACTACCCGAGTTCACACCTAGTCCCCTTCACTGCAGTACCCTCTAGGTTCTTTGGCCCT
 TGGCCAATCCCCAGGAGTTTCTATGATGTCCTCTGTTCCCTGGATGTCCCCATCTCCAGCCTACTACTCC
 CATGCCACCTACCACCTCTCCACCCCAACCTCCAGGCCACCTGGGCCAGCTGTCCCCACCCCCGAGC
 ACCCTGGCTTTGACACCTTGATCAGCTAAGCCAGGTGGAACCTCTGGGGACATGGACCGAATGAGTT
 TGACCAGTATTTGAACACTCCTGGTCACCTGACTCTGCTTCAGGGGTTGGAACCTCACTGGGCATGCC
 CCTCTCTCCAGGGGACTCCAACAGGCCCTACAGAGACCAGCCTCATCTCCGTCTGGCTGATGCCACAG
 CCAGTATTACAACAGCTACAGTGTGCA

ACGCGTACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
 ACAAGGATGACGACGATAAGGTTTAA



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Protein Sequence: >RR207120 representing NM_001106045
Red=Cloning site Green=Tags(s)

MASLLGAYPWTEGLECPALEAELSDGLSPPAVPRPSGDKGSESRIRRP MNAFMVWAKDERKRLAVQNPD
 HNAELSKMLGKSWKAL TLSQKRPYVDEAERLRLQHMQDYPNYKYP RRRKKQ GKRLCKRVDPGFLLSSLR
 DQNTLPEKNSIGRGLGEKEDRGEYAPGATLPLGLHSCYREGAAAAPGSVD TYPYGLPTPPEMSPLDALEP
 EQTFFSSSCQEEHGHPHHLPHLPGPPYSPEFTPSPLHCSHPLGSLALGQSPGVSMSSVPGCPPSPAYYS
 HATYHPLHPNLQAHLGQLSPPPEHPGFDTLDQLSQVELLGDMDRNEFDQYLNTPGHPDSASGVGTLTGH
 APLSQGTPTGPTETSLISVLADATATYYNSYSVS

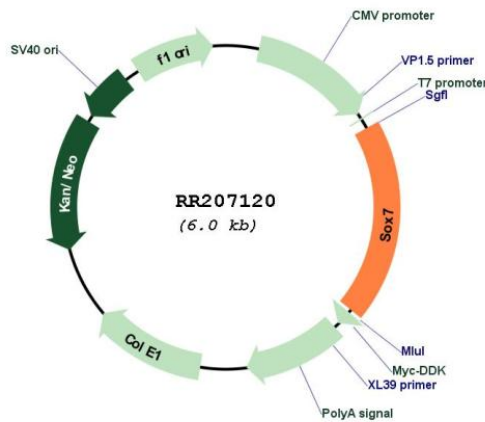
TRTRPLEQKLISEEDLAANDILDYKDDDDKV

Restriction Sites: SgfI-MluI

Cloning Scheme:



Plasmid Map:



ACCN: NM_001106045

ORF Size:	1149 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_001106045.1 , NP_001099515.1
RefSeq Size:	3282 bp
RefSeq ORF:	1152 bp
Locus ID:	290317
Cytogenetics:	15p12
MW:	41.7 kDa