

Product datasheet for MR212714

Saxo2 (NM_177894) Mouse Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Saxo2 (NM_177894) Mouse Tagged ORF Clone
Tag:	Myc-DDK
Symbol:	Saxo2
Synonyms:	1700129I04Rik; D030069K18; Fam154b
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
ORF Nucleotide Sequence:	>MR212714 representing NM_177894 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCC**CGATCGCC**

ATGAGGAAGTGGTGTCTGTGCCAGATTTGCACCTGCGGGTCAGATTATCGCCCTTATGAAATAGTCAAGC
AGCCTCGCCACATACCTGAAGAATATAAACCCAAACAGGGGAAAATTGATCTTGGTACTACCTACAAGCG
AGATTTTAAATCCTTACAAAGTACAGCCTTTGATAAAAGTCCGGCCTGTGGAAAGACAACAAGTTAAAAA
GGAAAGTTGGACTGTCCCAACTTATAAAGATGATTATAGATCTTGGGATATTCAGAAATGTGAAGTGT
GTAACCAGAGCAAGCTTACCATCCCCAGATGTGAAATTCGGAACTCAACTACATTTCCAGGATGACTA
TGTTCCCCAGGAGATAAAGCCTAGGCAAAGCTTTAAGCCCTGCTCTGTGGTCAAGTGTCTGTAGGCCCT
TTAATGGTGATACAAGTCATCGTCGAGATTATGTACCTCATCAGCTAGAAGTCAAGTTTGAAGGCCAA
AAGAAATTTATAAGCCTACTGACCAGCCTTTTGAGGATCTCACCCTCACCAGGAAATGACTTTCCAGGGTCT
TGCTGGTGAAGTGCAAAATCTGCAGACCTGCCTATACCAGAGTGACCCAAAACATTGATTTAAAGGA
AGTACTGAATCCGTGACAGTTTCCAACCATGGGAAATCCCACCACCAAAGTCAAGAAAGTGGCAGAGT
ATGTACCTCCTCAGGAAGCATGCAGTTAACAGCACCAGCCACCTCGACTATGTTCCCTATCAGGCCAG
CCGCGTAGTTGCCATTAGACCAGTTTCTCACAGAAGGCAAAGCAATTTTCTTTCCAAGGAAAAAGCACC
ACGAAGGAAGATTTTCCAGCATGGGAAATTTGTCGCAAGGACTTATTAAGCAGCAGCAACAATTTCCCA
ACCCATCTGGAAAATTTGAGGGTTTGAGCACTTTCAGATCTCACTTTGTGCCACATGAATTGATTTCCAA
AGAGAGCTGCAAACTTTAAATGAAGCTCTTAAGAGTTGAGTTCCACTTGATGATGTCACCATGTATTCT
ATACAGTTCACACCGAAGAAACAGGAAATCTGCCAGCTAGCTATCCTTCTCCTCCTGGTTATATATTTG
AAAATACAAATTTCCAAGGACATAAATCTTTGCAAGATTATTCCTGCAGTGAAGGCCCTT

ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAATGATATCCTGGATT
ACAAGGATGACGACGATAAGGTTTAA



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Protein Sequence: >MR212714 representing NM_177894
 Red=Cloning site Green=Tags(s)

MRNWCLCQICTCGSDYRPYEIVKQPRHIPEEYKPKQKGIDLGTTYKRDFNPKVQPLIKVRPVERQQVKK
 GKLDTVPTYKDDYRSWDIQKCELCCKPEQAYHPPDVKFGNSTTFQDDYVPQEIKPRQSFKPCSVVKCSVGP
 FNGDTSRRDYVPHQLEVKFARPKIYKPTDQPFEDLTTHRNDVQGLAGETAKICRPAYTRVTQNIQFKG
 STEFRDSFQPWEIPPPKVKKVAEYVPPSGSMQLNSTSHLDYVPYQASRVVAIRPVSHRRQSNFPFQKST
 TKEDFPaweICRQGLIKQQQIIPNPSGKFEGLSFRSHFVPHELIPTESCKPLNEALKSSVPLDDVTMYS
 IQFTPKKQEICPASYPSPPGYIFENTNSQGHKFFRKIIPAVKAF

TRTRPLEQKLISEEDLAANDILDYKDDDDKV

Chromatograms: https://cdn.origene.com/chromatograms/mm9043_c06.zip

Restriction Sites: SgfI-MluI

Cloning Scheme:



ACCN: NM_177894

ORF Size: 1182 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_177894.4](#), [NP_808562.3](#)

RefSeq Size: 2788 bp

RefSeq ORF: 1185 bp

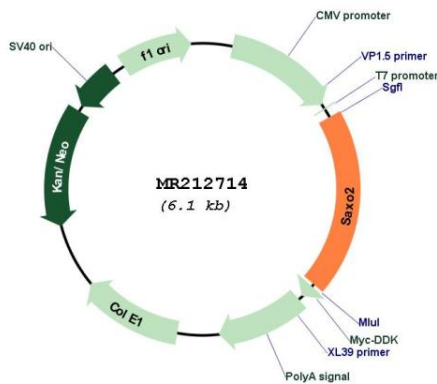
Locus ID: 330577

UniProt ID: [Q8BQB6](#)

Cytogenetics: 7 D3

MW: 46 kDa

Product images:



Circular map for MR212714