

## Product datasheet for **MG212714**

### Saxo2 (NM\_177894) Mouse Tagged ORF Clone

#### Product data:

Product Type:	Expression Plasmids
Product Name:	Saxo2 (NM_177894) Mouse Tagged ORF Clone
Tag:	TurboGFP
Symbol:	Saxo2
Synonyms:	1700129I04Rik; D030069K18; Fam154b
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-AC-GFP (PS100010)
E. coli Selection:	Ampicillin (100 ug/mL)
ORF Nucleotide Sequence:	>MG212714 representing NM_177894 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC  
GCC**CGATCGCC**

ATGAGGAAGTGGTGTCTGTGCCAGATTTGCACCTGCGGGTCAGATTATCGCCCTTATGAAATAGTCAAGC  
AGCCTCGCCACATACCTGAAGAATATAAACCCAAACAGGGGAAAATTGATCTTGGTACTACCTACAAGCG  
AGATTTTAAATCCTTACAAAGTACAGCCTTTGATAAAAGTCCGGCCTGTGGAAAGACAACAAGTTAAAAA  
GGAAAGTTGGACTGTCCCAACTTATAAAGATGATTATAGATCTTGGGATATTCAGAAATGTGAAGTGT  
GTAACCAGAGCAAGCTTACCATCCCCAGATGTGAAATTCGGAACTCACTACATTTCCAGGATGACTA  
TGTTCCCCAGGAGATAAAGCCTAGGCAAAGCTTTAAGCCCTGCTCTGTGGTCAAGTGTCTGTAGGCCCT  
TTAATGGTGATACAAGTCATCGTCGAGATTATGTACCTCATCAGCTAGAAGTCAAGTTTGAAGGCCAA  
AAGAAATTTATAAGCCTACTGACCAGCCTTTTGGAGATCTCACCCTCACCAGGAAATGACTTTCCAGGGTCT  
TGCTGGTGAAGTGCAAAATCTGCAGACCTGCCTATACCAGAGTGACCCAAAACATTGATTTAAAGGA  
AGTACTGAATCCGTGACAGTTTCCAACCATGGGAAATCCCACCACCAAGTCAAGAAAGTGGCAGAGT  
ATGTACCTCCTCAGGAAGCATGCAGTTAACAGCACCAGCCACCTCGACTATGTTCCCTATCAGGCCAG  
CCGCGTAGTTGCCATTAGACCAGTTTCTCACAGAAGGCAAAGCAATTTTCTTTCCAAGGAAAAAGCACC  
ACGAAGGAAGATTTTCCAGCATGGGAAATTTGTCGCAAGGACTTATTAAGCAGCAGCAACAATTTCCCA  
ACCCATCTGGAAAATTTGAGGGTTTGGAGCACTTTCAGATCTCACTTTGTGCCACATGAATTGATTTCCAAC  
AGAGAGCTGCAAACTTTAAATGAAGCTCTTAAGAGTTTCAAGTTCAGTTTCACTTGTATGATGTCACCATGATTCT  
ATACAGTTCACACCGAAGAAACAGGAAATCTGCCAGCTAGCTATCCTTCTCCTCCTGGTTATATATTTG  
AAAATACAAATTTCCAAGGACATAAATTTCTTTCGCAAGATTATTCCTGCAGTGAAGGCCTTT

**ACGCGT**ACGCGGCCGCTCGAG - GFP Tag - GTTTAA



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Protein Sequence: >MG212714 representing NM\_177894  
 Red=Cloning site Green=Tags(s)

MRNWLCQICTCGSDYRPYEIVKQPRHIPEEYKPKQKGKIDLGTTYKRDFNPKVQPLIKVRPVERQQVKK  
 GKLDTVPTYKDDYRSWDIQKCELCCKPEQAYHPPDVKFGNSTTFQDDYVPQEIKPRQSFKPCSVVKCSVGP  
 FNGDTSRRDYVPHQLEVKFARPKIYKPTDQPFEDLTTHRNDVQGLAGETAKICRPAYTRVTQNIQFKG  
 STEFRDSFQPWEIPPPKVKKVAEYVPPSGSMQLNSTSHLDYVPYQASRVVAIRPVSHRRQSNFPFQKST  
 TKEDFPaweICRQGLIKQQQIPNPSGKFEGLSTRSHFVPHELIPTESCKPLNEALKSSVPLDDVTMYS  
 IQFTPkkQEICPASYPSPPGYIFENTNSQGHKFFRKIIPAVKAF

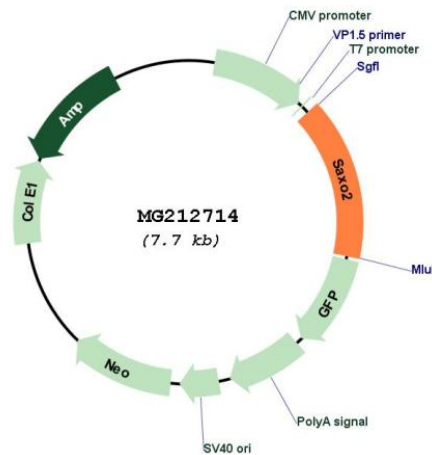
TRTRPLE - GFP Tag - V

Restriction Sites: SgfI-MluI

Cloning Scheme:



Plasmid Map:



ACCN: NM\_177894

<b>ORF Size:</b>	1182 bp
<b>OTI Disclaimer:</b>	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. <a href="#">More info</a>
<b>OTI Annotation:</b>	This clone was engineered to express the complete ORF with an expression tag. Expression varies depending on the nature of the gene.
<b>Components:</b>	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).
<b>Reconstitution Method:</b>	<ol style="list-style-type: none"><li>1. Centrifuge at 5,000xg for 5min.</li><li>2. Carefully open the tube and add 100ul of sterile water to dissolve the DNA.</li><li>3. Close the tube and incubate for 10 minutes at room temperature.</li><li>4. Briefly vortex the tube and then do a quick spin (less than 5000xg) to concentrate the liquid at the bottom.</li><li>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.</li></ol>
<b>RefSeq:</b>	<a href="#">NM_177894.4</a> , <a href="#">NP_808562.3</a>
<b>RefSeq Size:</b>	2788 bp
<b>RefSeq ORF:</b>	1185 bp
<b>Locus ID:</b>	330577
<b>UniProt ID:</b>	<a href="#">Q8BQB6</a>
<b>Cytogenetics:</b>	7 D3