

## Product datasheet for **RG212321**

### **FAM154B (SAXO2) (NM\_001008226) Human Tagged ORF Clone**

#### Product data:

Product Type:	Expression Plasmids
Product Name:	FAM154B (SAXO2) (NM_001008226) Human Tagged ORF Clone
Tag:	TurboGFP
Symbol:	SAXO2
Synonyms:	FAM154B
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-AC-GFP (PS100010)
E. coli Selection:	Ampicillin (100 ug/mL)
ORF Nucleotide Sequence:	>RG212321 representing NM_001008226 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC  
GCC**CGATCGCC**

ATGGGAGCCAAGAGTATGAGGAGCTGGTGTCTGTGTCAGATTTGTAGCTGCGGGTCGGATTATTGCCTT  
ATGAAATAGTTAAACAGCCTCGCCATGTGCCAGAAGAATAAAACAAAACAAGGAAGATTGATCTTGG  
TACTACCTACAAACGGGATTTGAATTCGTATAAAGTGCAGCCTGTGGCAATAGTCCGGCCTTTGGAGAGA  
CAAGTTAAAAAAGAAAATTGGACTGTCCCAACCTATAAAGACGATTATAGAGCTTGGACCTTCATA  
AAAGTGAACCTTTATAAGCCAGAACAACCTACCACCCGCTACTGTGAAATTTGGAAATCAACTACATT  
TCAGGATGATTTTGTTCCTCAGGAGATAAAGCCTAGGCAAAGCTTTAAACCTCCTCTGTGGTCAAACGT  
TCTACAGCCCCTTTAATGGTATTACAAGTCATCGCCTTGATTATACCTCATCAGCTTGAACCAAGT  
TTGAAAGGCCAAAAGAAGTTTACAAACCAACTGACCAACGCTTTGAGGATCTCACAACCTACCCGGTGTGA  
CTTTCAGGGTCTCATTGGTGAACCTGCAAACTCTGCAGACCTGTACACACCAGAGTGACCCAGAATGCT  
CTGTTTGAAGGAAGCACTGAATTCGGTGAAGTTTTCAACCATGGGAAATCCCACCACCTGAGGTCAAGA  
AAGTACCAGAGTATGTGCCTCTACAGGTAGCATGCTGTTAAACAGCACAAGCCATCTTGACTATGTTCC  
ATATCAGGCCAACCATGTTGTTCCATCAGGCCAGTTTCTCAAAAAGAAGTAACAATTTCTTTCCAA  
GGAAAAGCATCATGAAAGAAGATTTCCAGCATGGGAAAGTTGCGTCAAGGACTTATTAAGAAGCAGC  
AGCAGATTCCTCAACCATCTGGAAAATTTGATGGTTTGAGCACTTTCAGATCTCACTATGTGCCACATGA  
ATTGATCCCAACAGAGAGTTGCAAACTTTAAATATTGCTTTTAAGAGTTCTGTTCCATTTGATGATGTA  
ACCATGTAATCTGTAGAGTACACACCGAAAAGACAGGAAATTTGCCAGCCAGCTATCCCTCTCCTCCAG  
GTTATATTTTCGACAATACAAATTCCTCAAGTCATAAATCTTCCGCAAGATTATTCCTGCAGTGAAGGC  
CTTC

**ACGCGT**ACGCGGCCGCTCGAG - GFP Tag - GTTTAA



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**Protein Sequence:** >RG212321 representing NM\_001008226  
 Red=Cloning site Green=Tags(s)

MGAKSMRSWCLCQICSCGSDYCPYEIVKQPRHVPEEYKPKQGKIDLGTTYKRDLSYKVPVAIVRPLER  
 QVKKGKLDTVPTYKDDYRAWDLHKSEL YKPEQTYHPPTVKFGNSTTFQDDFVPEIKPRQSFKPSVVKR  
 STAPFNGITSHRLDYIPHQLLEKFERPKVEYKPTDQRFEDLTTHRCDFQGLIGETAkLRCRPVHTRVTONA  
 LFEGSTEFRESFQPWEIPPEVKKVPVEYVPPTGSMLLNSTSHLDYVPYQANHVVPIRPVSQKRSNNFPFQ  
 GKSIMKEDFPAWESCRQGLIKKQQQIPNPSGKFDGLSTFRSHYVPHELIPTESCKPLNIAFKSSVPFDDV  
 TMYSVEYTPKRQEICPASYPSPGYIFDNTNSQGHKFFRKIIPAVKAF

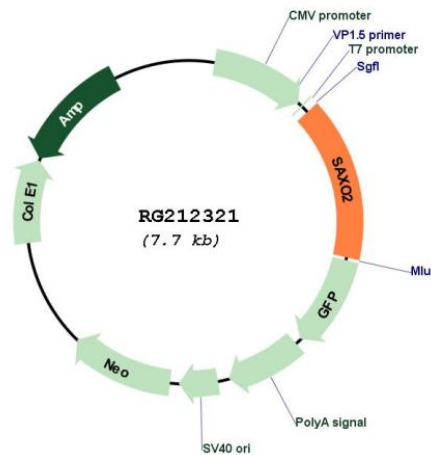
TRTRPLE - GFP Tag - V

**Restriction Sites:** SgfI-MluI

**Cloning Scheme:**



**Plasmid Map:**



**ACCN:** NM\_001008226

<b>ORF Size:</b>	1194 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_001008226.2</a>
<b>RefSeq Size:</b>	3146 bp
<b>RefSeq ORF:</b>	1197 bp
<b>Locus ID:</b>	283726
<b>UniProt ID:</b>	<a href="#">Q658L1</a>
<b>Cytogenetics:</b>	15q25.2