

Product datasheet for **RG206724**

FAM154A (SAXO1) (NM_153707) Human Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Tag:	TurboGFP
Symbol:	FAM154A
Synonyms:	C9orf138; FAM154A
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-AC-GFP (PS100010)
E. coli Selection:	Ampicillin (100 ug/mL)



ORF Nucleotide Sequence: >RG206724 representing NM_153707
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCCGCGATCGCC

ATGAAGACGAAGTGCATCTGTGAACGTGTCTCTGCGGGCGGCATCACTGTCCACATCTCCCTACCAAGA
 TTTATGATGAAACAGAGAAACCATGTCTTCTCTCCGAATATACCGAGAATACCTTTCTATCACTCCTA
 CCTGCCCAGAGAGTCTTCAAGCCAAGGCGGGAGTACCAGAAAGGGTCTATACCAATGGAAGGCCTGACT
 ACATCAAGGAGAGATTTTGGGCCTCACAAGTGGCACCAGTGAAGGTCCACCAGTATGACCAGTTCGTCC
 CGAGTGAAGAGAATATGGATTTGCTCAGCAGTATAAGAAAGATTACAATCCCTACCCTGTCTGTGAGT
 GGACCCCATCAAACTCGGGACAGTAAATATCCATGTAGCGACAAGATGGAGTGTTCCTACTTTATAAA
 GCTGATTATTTGCCTTGAACCAACCAAGGCGAGAGCCACTTCGTCTGGAACACAAATACGACCGGCAT
 CAGTCAGGTTTGATAACAGAACCACACACAGGACGATTACCCCATAAAAGGCCTTGTGAAGACCATAAG
 CTGTAAACCTCTGGCCATGCCAAAGCTCTGTAAATCCCTTGGAGGATGTGACTAACTACAAGATGAGC
 TATGTGGCCACCCCGTGGAGAAGCGCTTTGTGCATGAAGCAGAGAAGTTCAGGCCCTGTGAAATCCCT
 TTGAAAGCCTTACCACTCAAAAACATCTACCGGGGCTGATGGGGGAGCCTGCCAAGAGCTTGAAACC
 TCTAGCCAGGCCTCCTGGGCTAGACATGCCTTTCTGTAAACCACTGAGTTTCGAGATAAGTACCAAGCT
 TGGCAATGCCCGGATGTTCTCAAAGCTCCCATCACCTACGTCCTCCCGAAGACAGGATGGATCTTC
 TGACAAACAGTGCAGGCCATTACACATGCCCTAAGGGTGCCCGAGCTCAGTCCTGCCGACCTGCACCTCA
 GATTAAGAAGTGGGTGCTTTGAAGGCTCTTCCACCACCAAGGATGACTACAAGCAGTGGTCCAGCATG
 CGCACAGAGCCAGTCAAGCCGTTCCCGAGCTGGACTTGCCACCGAGCCCTGGACTGCCTGACCACCA
 CTCGGGCCCACTATGTGCCCCACCTGCCTATCAATACCAAAAGCTGTAAAGCCTATTGGTCTGGCCCTCG
 AGGAAATGTCCCTGTGGAAGCCAGACCACCTACACCATCAGCTTTACTCCCAAGGAAATGGGCAGGTGC
 CTAGCTTCATATCCTGAGCCTCCTGGCTACACCTTTGAGGAAGTGGATGCTTTGGGTACAGGATATACA
 AACCAGTTTCCAGGCAGGCTCTCAGCAGAGCAGCCATCTTCTGTAGATGATTCAGAAAACCCCAACCA
 GAGGGAGTTGGAAGTTAGCC

ACGCGTACGCGGCCGCTCGAG - GFP Tag - GTTTAA

Protein Sequence: >RG206724 representing NM_153707
 Red=Cloning site Green=Tags(s)

MKTKCICELCSCGRHHCPLPTKIYDETEKPCLLSEYTENYPFYHSLPRESFKPRREYQKGSIPMEGLT
 TSRRDFGPHKVAPVKVHQYDQFVPSEENMDLLTTYKKDYNPYPVCRVDPIKPRDSKYPCSDKMECLPTYK
 ADYLPWNQPRREPLRLEHKYQPASVRFDNRTHQDDYPIKGLVKTI SCKPLAMPKLCNIPLDVTNYKMS
 YVAHPVEKRFVHEAEKFRPCEIPFESLTTQKQSYRGLMGEPAKSLKPLARPPGLDMPFCNTTEFRDKYQA
 WPMRPMFSKAPITYVPPEDRMDLLTTVQAHYTCPKGAPASCRPALQIKKCRFEFSSTTKDDYKQWSSM
 RTEPVKVPVQLDLPTEPLDCLTTTRAHYVPHLPINTKSCKPHWSGPRGNVPVESQTTYTISFTPKEMGRC
 LASYPEPPGYTFEEVDALGHRIYKPVSQAGSQSSHLVDDSENPNQRELEVL

TRTRPLE - GFP Tag - V

Restriction Sites: SgfI-MluI

Cloning Scheme:



ACCN: NM_153707

ORF Size: 1422 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:

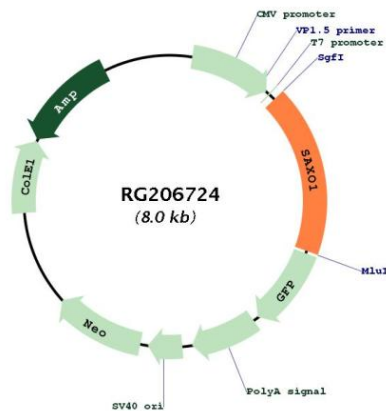
1. Centrifuge at 5,000xg for 5min.
2. Carefully open the tube and add 100ul of sterile water to dissolve the DNA.
3. Close the tube and incubate for 10 minutes at room temperature.
4. Briefly vortex the tube and then do a quick spin (less than 5000xg) to concentrate the liquid at the bottom.
5. Store the suspended plasmid at -20°C. The DNA is stable for at least one year from date of shipping when stored at -20°C.

Note: Plasmids are not sterile. For experiments where strict sterility is required, filtration with 0.22um filter is required.

RefSeq: [NM_153707.1](#), [NP_714918.1](#)

RefSeq Size:	1898 bp
RefSeq ORF:	1425 bp
Locus ID:	158297
UniProt ID:	Q8IYX7
Cytogenetics:	9p22.1
Gene Summary:	May play a role in the regulation of cilium length. Stabilizes microtubules at low temperature. [UniProtKB/Swiss-Prot Function]

Product images:



Circular map for RG206724