

Product datasheet for **RG204029**

SAMM50 (NM_015380) Human Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	SAMM50 (NM_015380) Human Tagged ORF Clone
Tag:	TurboGFP
Symbol:	SAMM50
Synonyms:	CGI-51; OMP85; SAM50; TOB55; TRG-3; YNL026W
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-AC-GFP (PS100010)
E. coli Selection:	Ampicillin (100 ug/mL)



[View online »](#)

ORF Nucleotide Sequence:

>RG204029 representing NM_015380
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGCATCGCC**

ATGGGGACTGTGCACGCCCGGAGTTTGGAGCCTCTCCATCAAGTGGACCTGATTTTGGAGGATTAGGAG
 AAGAAGCTGAATTTGTTGAAGTTGAGCCTGAAGCTAAACAGGAAATTCCTGAAAACAAGATGTGGTTGT
 TCAACATGTTTATTTGATGGACTTGAAGGACTAAAGATGATATCATCATTTTGTGAAATTTGGAGATGTT
 TTCAAGGCCAAAAACCTAATTGAGGTAATGCGGAAATCTCATGAAGCCCGTGAAAAATTGCTCCGCTTTG
 GAATTTTGTAGACAAGTGGATGTTTTGATTGACACATGTCAAGGTGATGACGCACTTCCAAATGGGTTAGA
 CGTTACCTTTGAAGTAACTGAATTGAGGAGATTAACGGGCAGTTATAACACCATGGTTGGAACAATGAA
 GGCAGTATGGTACTTGGCCTCAAGCTTCCTAATCTTCTGGTCTGCAGAAAAGGTGACCTTTAGTTTTT
 CCTATGGAACAAAAGAACTTCGTATGGCCTGTCCTTCTCAAACCACGGCCCGGAAACTTCGAAAGAAA
 TTTCTCTGTAACCTTATAAAAGTTACTGGACAGTTCCCTTGGAGCTCACTGCGGGAGACGGACAGAGGA
 ATGTCAGCTGAGTACAGTTTTCCATATGGAAGACCAGCCACACTGTCAAGTGGGAGGGCGTATGGCGAG
 AACTGGGCTGCCTCTCAAGGACGGCGTCATTTGCTGTTTGGAAAAGAAAGCGGACATTCAGTAAATCATC
 TCTTTCGACGCCATGGTCATCGATTCTCGAATCTTCCATCTTACCAAGGAGAGGTGCTTTGCTGAAA
 GTTAACCAGGAACTGGCAGGCTACACTGGCGGGATGTGAGCTTCATCAAAGAAGATTTGAACTTCAGT
 TGAACAAGCAACTCATATTTGATTCAGTTTTTTCAGCGTCTTCTGGGGCGGAATGTTGGTACCCATTGG
 TGATAAGCCGTCAGCATTGCTGATAGGTTTTACCTCGGGGACCCACAAGCGTCCGCGGATTGAGCATG
 CACAGCATCGGGCCACAGAGCGAAGGAGACTACCTAGGTGGAGAAGCGTACTGGCCGGCGGCTGCACC
 TCTACAGCCCATACCTTTCCGGCCAGGCGGGTGGCTTTGGAGAACTTTCCGAACACTTTCTTTCT
 CAACGCAGGAAACCTCTGCAACCTCAACTATGGGGAGGGCCCAAGCTCATATTCGTAAGCTGGCTGAG
 TGCATCCGCTGGTCTACGGGGCCGGGATTGTCCTCAGGCTTGGCAACATCGCTCGGTTGGAACCTAATT
 ACTGCGTCCCATGGGAGTACAGACAGGCGACAGGATATGTGATGGCGTCCAGTTTGGAGCTGGGATAAG
 GTTCCTG

ACGCGTACGCGGCCGCTCGAG - GFP Tag - GTTTAA

Protein Sequence:

>RG204029 representing NM_015380
 Red=Cloning site Green=Tags(s)

MGTVHARSLEPLPSSGPDFGGLGEEAEFVEVEPEAKQEILENKDVVVQHVHFDGLGRTKDDIIICEIGDV
 FKAKNLIEVMRKSHEAREKLLRLGIFRQVDVLDITCQGDALPNGLDVTFEVTELRRLTGSYNTMVGNN
 GSMVLGLKLPNLLGRAEKVTFQFSYGTKETSYGLSFFKPRPGNFERNFSVNLKVTGQFPWSSLRETD
 MSAEYSFPIWKTSHYTKWEGVWRELGCLSRASFAVRKESGHSLSLSSHAMVIDSRNSSILPRRGALLK
 VNQELAGYTGDDVSFIKEDFELQLNKQLIFDSVFSASFVGGMLVPIGDKPSSIADRFYLGPTSVRGFSM
 HSIQSQSEGVDYLGGEAYWAGGLHLYTPLFRPGQGGFELFRTHFFLNAGNLCNLNYGEGPKAHIRKLA
 CIRWSYGAGIVLRLGNIARLELNVCVPMGVQTDGDRICDGVQFGAGIRFL

TRTRPLE - GFP Tag - V

Restriction Sites:

Sgfl-MluI

Cloning Scheme:



ACCN: NM_015380

ORF Size: 1407 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_015380.3](#), [NP_056195.2](#)

RefSeq Size: 1741 bp

RefSeq ORF: 1410 bp

Locus ID: 25813

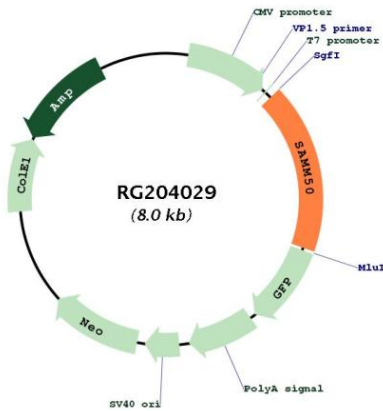
UniProt ID: [Q9Y512](#)

Cytogenetics: 22q13.31

Domains: Bac_surface_Ag

Gene Summary: This gene encodes a component of the Sorting and Assembly Machinery (SAM) of the mitochondrial outer membrane. The Sam complex functions in the assembly of beta-barrel proteins into the outer mitochondrial membrane.[provided by RefSeq, Jun 2011]

Product images:



Circular map for RG204029