

Product datasheet for **RG204173**

gamma Synuclein (SNCG) (NM_003087) Human Tagged ORF Clone

Product data:

Product Type: Expression Plasmids
Product Name: gamma Synuclein (SNCG) (NM_003087) Human Tagged ORF Clone
Tag: TurboGFP
Symbol: gamma Synuclein
Synonyms: BCSG1; SR
Mammalian Cell Selection: Neomycin
Vector: pCMV6-AC-GFP (PS100010)
E. coli Selection: Ampicillin (100 ug/mL)
ORF Nucleotide Sequence: >RG204173 representing NM_003087
Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCC**CGATCGCC**

ATGGATGTCTTCAAGAAGGGCTTCTCCATCGCCAAGGAGGGCGTGGTGGGTGCGGTGAAAAGACCAAGC
AGGGGGTGACGGAAGCAGCTGAGAAGACCAAGGAGGGGTGATGTATGTGGGAGCCAAGACCAAGGAGAA
TGTTGTACAGAGCGTGACCTCAGTGGCCGAGAAGACCAAGGAGCAGGCCAACGCCGTGAGCGAGGCTGTG
GTGAGCAGCGTCAACACTGTGGCCACCAAGACCGTGGAGGAGGGCGAGAACATCGCGTCCACCTCCGGGG
TGGTGCACAAGGAGGACTTGAGGCCATCTGCCCCCAACAGGAGGGTGGAGCATCCAAGAGAAAGAGGA
AGTGGCAGAGGAGGCCAGAGTGGGGGAGAC

ACGCGTACGCGGCCGCTCGAG - GFP Tag - GTTTAA

Protein Sequence: >RG204173 representing NM_003087
Red=Cloning site Green=Tags(s)
MDVFKKGFSAIKEGVVGAVEKTKQGVTEAAEKTKEGVMYVGAKTKENVVQSVTSVAEKTKEQANAVSEAV
VSSVNTVATKTVEEAENIAVTSVVRKEDLRPSAPQQEGEASKEKEEVAEEAQSGGD

TRTRPLE - GFP Tag - V

Restriction Sites: Sgfl-MluI



[View online »](#)

Cloning Scheme:



ACCN: NM_003087

ORF Size: 381 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.

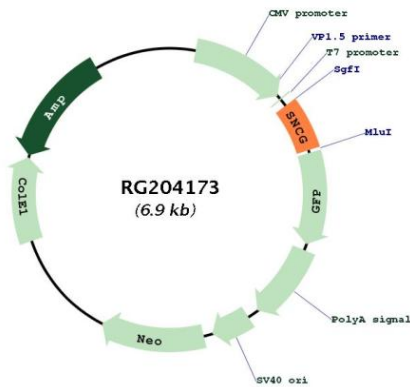
RefSeq: [NM_003087.3](#)

RefSeq Size: 720 bp

RefSeq ORF: 384 bp

Locus ID: 6623
UniProt ID: [O76070](#)
Cytogenetics: 10q23.2
Domains: Synuclein
Gene Summary: This gene encodes a member of the synuclein family of proteins which are believed to be involved in the pathogenesis of neurodegenerative diseases. Mutations in this gene have also been associated with breast tumor development. [provided by RefSeq, Jan 2010]

Product images:



Circular map for RG204173