

Product datasheet for **RG218894**

Synaptogyrin 4 (SYNGR4) (NM_012451) Human Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Tag:	TurboGFP
Symbol:	Synaptogyrin 4
Mammalian Cell	Neomycin
Selection:	
Vector:	pCMV6-AC-GFP (PSI00010)
E. coli Selection:	Ampicillin (100 ug/mL)

ORF Nucleotide Sequence: >RG218894 representing NM_012451
Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCC**CGCATCGCC**

ATGCACATCCCCAAAAGCCTCCAGGAGCTGGCCAACAGCGAAGCCGTGCAGTTTCTGAGAAGGCCCAAGA
CCATCACGCGGGTCTTGAAGGGTCTTCTCCCTGATCGTCTTCTCCTCCCTGCTGACCGACGGCTACCA
GAACAAGATGGAGTCTCCGCAGCTCCACTGCATTCTCAACAGCAACAGCGTGGCCTGCAGCTTTGCCGTG
GGAGCCGGCTTCTGGCCTTCTCAGCTGCCTGGCCTTCTCGTCTGGACACACAGGAGACCCGCATTG
CCGGCACCCGCTTCAAGACAGCCTTCCAGCTCCTGGACTTCATCCTGGCTGTTCTCTGGGCAGTTGTCTG
GTTTCATGGGTTTCTGCTTCTGGCCAACCAATGGCAGCATTGCGCGCCAAAGAGTTCTCCTGGGGAGC
AGCAGTGGCCAGGCAGCCATCGCCTTACCTTCTTCTCCATCCTTGTCTGGATATTCCAGGCCTACCTGG
CATTCCAGGACCTCCGAAATGATGCTCCAGTCCCTTACAAGCGCTTCTGGATGAGGGTGGCATGGTGCT
GACCACCTCCCTTGCCTCTGCCAACAGCCCTGTGAACATGCCACCACTGGCCCCAACAGCCTGAGT
TATGCTAGCTCTGCCCTGTCCCTGTCTGACCGCTCCAAAGTCCCCCGGCTTGCTATGATGCCTGACA
AC

ACGCGTACGCGGCCGCTCGAG - GFP Tag - GTTTAA

Protein Sequence: >RG218894 representing NM_012451
Red=Cloning site Green=Tags(s)

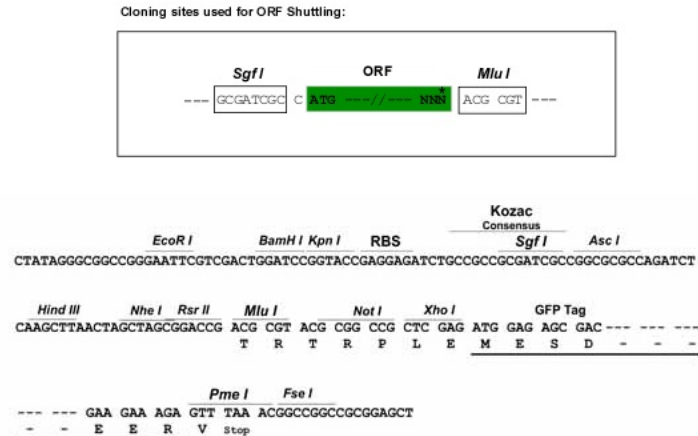
MHIPKSLQELANSEAVQFLRRPKTITRVFEGVFSLIVFSSLLTDGYQNMESPLHCLINSNSVACSFAY
GAGFLAFLSCLAFVLDTQETRIAGTRFKTAFQLLDFILAVLWAVVFMGFCFLANQWQHSPPKFLLGS
SSAQAIAFTFFSILVWIFQAYLAFQDLRNDAPVPYKRFLDEGGMVLTLPSPANSPVNMPTTGPNSLS
YASSALSPCLTAPKSPRLAMMPDN

TRTRPLE - GFP Tag - V



Restriction Sites: SgfI-MluI

Cloning Scheme:



ACCN: NM_012451

ORF Size: 702 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_012451.4

RefSeq Size: 1009 bp

RefSeq ORF: 705 bp

Locus ID: 23546

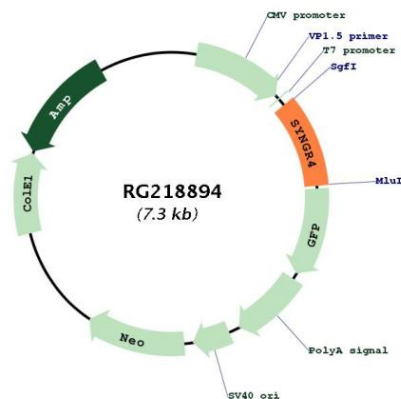
UniProt ID: O95473

Cytogenetics: 19q13.33

Protein Families: Transmembrane

Gene Summary: This gene encodes an integral membrane protein. The gene belongs to the synaptogyrin gene family. Like other members of the family the protein contains four transmembrane regions. The exact function of this protein is unclear. [provided by RefSeq, Jul 2008]

Product images:



Circular map for RG218894