OriGene Technologies, Inc.
9620 Medical Center Drive, Ste 200
Rockville, MD 20850, US
Phone: +1-888-267-4436
https://www.origene.com
techsupport@origene.com
EU: info-de@origene.com
CN: techsupport@origene.cn

Product datasheet for MG207123

Gorasp1 (BC012251) Mouse Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Gorasp1 (BC012251) Mouse Tagged ORF Clone
Tag:	TurboGFP
Symbol:	Gorasp1
Synonyms:	P65, GOLPH5, GRASP65
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-AC-GFP (PS100010)
E. coli Selection:	Ampicillin (100 ug/mL)

View online »

ORF Nucleotide Sequence:

>MG207123 representing BC012251
Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCCGCGATCGCC

ATGGGGCTAGGGGCAAGCAGCGAGCAGCCGGCGGGCGGCGAGGGCTTCCATCTGCACGGGGTACAAGAGA
ACTCGCCGGCCCAGCAGGCAGGCCTGGAGCCCTACTTCGACTTCATCATCACCATCGGGCACTCGAGGCT
GAACAAGGAGAACGACACGCTGAAGGCATTGCTGAAGGCCAATGTGGAGAAGCCGGTGAAGCTGGAGGTA
TTCAACATGAAGACCATGAAGGTGCGCGAGGTAGAGGTGGTGCCCAGCAACATGTGGGGCGGCCAGGGCC
TCCTGGGAGCCAGCGTGCGCTTCTGTAGCTTCCGCAGGGCCAGCGAACACGTGTGGCATGTGCTGGATGT
GGAGCCCTCTTCACCTGCTGCCTTGGCCGGCCTGTGCCCTTACACAGACTACATAGTTGGCTCTGACCAG
ATTCTCCAGGAGTCAGAAGACTTCTTTACTCTCATTGAGTCCCATGAGGGGAAGCCTCTGAAGCTGATGG
TGTATAACTCGGAGTCCGACTCCTGCCGGGAGGTGACTGTGACTCCCAATGCAGCCTGGGGTGGAGAGGG
CAGTCTGGGGTGTGGTATTGGTTATGGGTACCTGCATCGGATCCCAACGCAACCCTCCAGCCAGCACAAG
AAGCCACCCGGTGCCACACCACCTGGCACTCCAGCTACGACCTCACAACTTACTGCCTTTCCTCTTGGTG
CCCCACCACCTTGGCCTATCCCTCAGGACTCTTCTGGCCCAGAGTTGGGTTCCAGGCAGAGTGACTTCAT
GGAGGCCCTACCACAAGTCCCTGGTAGCTTTATGGAGGGACAGCTCCTTGGGCCTGGGAGTCCCAGCCAT
GGCGCTGCTGACTGTGGGGGATGCCTGCGTGCTATGGAGATCCCGCTTCAGCCTCCACCTCCAGTGCAGC
GGGTCATGGACCCAGGCTTCCTGGATGTATCAGGCATGTCCCTCCTGGACAGCAGCAACATAAGCGTGTG
CCCCAGCCTGTCATCTTCCACAGTGCTGACCTCCACAGCTGTTTCAGTCTCAGGACCAGAGGACATTGGT
TCTAGCAGCAGTTCTCACGAGCGGGGTGGTGAAGCCACGTGGTCAGGGTCAGAGTTTGAGATCTCCTTCC
CAGACAGTCCAGGTGCCCAGGCCCAGGCGGACCACCTGCCCCGGCTGACTCTCCCCGATGGCCTCACATC
TGCGGCCTCACCTGAAGAAGGGCTGTCTGCAGAGCTGCTGGAAGCACAGACTGAGGAGCCGGCAGACACA
GCCAGCCTGGATTGCAGGGCAGAGACTGAGGGGAGAGCCAGCCAAGCGCAGGCCACCCCAGATCCAGAGC
CTGGGCTG

ACGCGTACGCGGCCGCTCGAG - GFP Tag - GTTTAA

Protein Sequence:

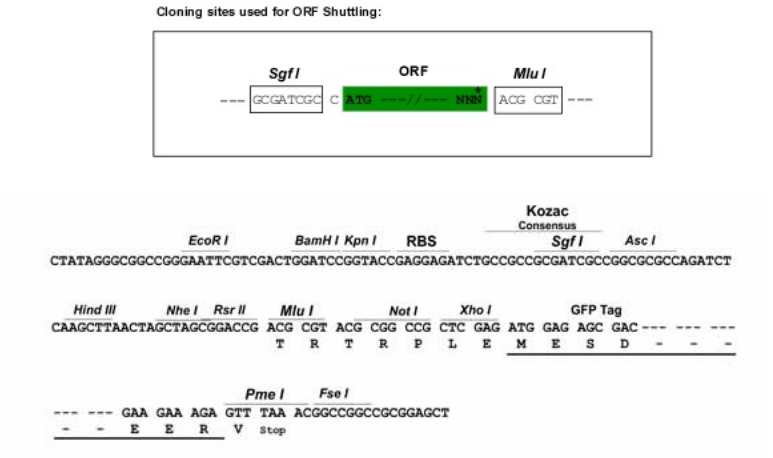
>MG207123 representing BC012251
Red=Cloning site Green=Tags(s)

MGLGASSEQPAGGEGFHLHGVQENSPAQQAGLEPYFDFIITIGHSRLNKENDTLKALLKANVEKPVKLEV
FNMKTMKVREVEVVPSNMWGGQGLLGASVRFCSFRRASEHVWHVLDVEPSSPAALAGLCPYTDYIVGSDQ
ILQESEDFFTLIESHEGKPLKLMVYNSESDSCREVTVTPNAAWGGEGSLGCGIGYGYLHRIPTQPSSQHK
KPPGATPPGTPATTSQLTAFPLGAPPPWPIPQDSSGPELGSRQSDFMEALPQVPGSFMEGQLLGPGSPSH
GAADCGGCLRAMEIPLQPPPPVQRVMDPGFLDVSGMSLLDSSNISVCPSLSSSTVLTSTAVSVSGPEDIG
SSSSSHERGGEATWSGSEFEISFPDSPGAQAQADHLPRLTLPDGLTSAASPEEGLSAELLEAQTEEPADT
ASLDCRAETEGRASQAQATPDPEPGL

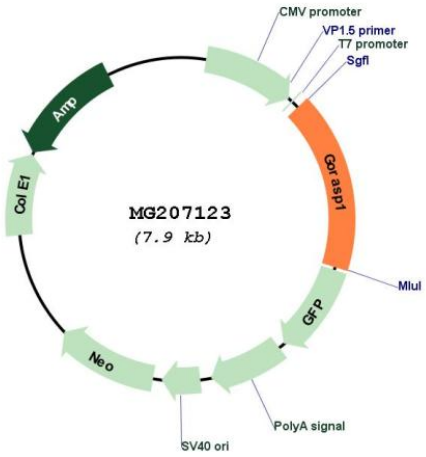
TRTRPLE - GFP Tag - V

Restriction Sites: SgfI-MluI

Cloning Scheme:



Plasmid Map:



ACCN: BC012251

ORF Size: 1340 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:	BC012251, AAH12251
RefSeq Size:	3495 bp
RefSeq ORF:	1340 bp
Locus ID:	74498
Cytogenetics:	9 F4
Gene Summary:	Plays an important role in assembly and membrane stacking of the Golgi cisternae, and in the reassembly of Golgi stacks after breakdown during mitosis. Key structural protein required for the maintenance of the Golgi apparatus integrity: its caspase-mediated cleavage is required for fragmentation of the Golgi during apoptosis (By similarity). Also mediates, via its interaction with GOLGA2/GM130, the docking of transport vesicles with the Golgi membranes (By similarity). Mediates ER stress-induced unconventional (ER/Golgi-independent) trafficking of core-glycosylated CFTR to cell membrane (By similarity).[UniProtKB/Swiss-Prot Function]