

## Product datasheet for **RG202265**

### GGH (NM\_003878) Human Tagged ORF Clone

#### Product data:

Product Type:	Expression Plasmids
Product Name:	GGH (NM_003878) Human Tagged ORF Clone
Tag:	TurboGFP
Symbol:	GGH
Synonyms:	GATD10; GH
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-AC-GFP (PS100010)
E. coli Selection:	Ampicillin (100 ug/mL)
ORF Nucleotide Sequence:	>RG202265 representing NM_003878 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC  
GCC**CGATCGCC**

ATGGCCAGTCCGGGCTGCCTGCTGTGCGTGTGGCCTGCTACTCTGCGGGCGGCGAGCCTCGAGCTGT  
CTAGACCCACGGCGACACCGCCAAGAAGCCCATCATCGGAATTAATGCAAAAATGCCGTAATAAAGT  
CATGAAAACTATGGAAGATACTATATTGCTGCGTCTATGTAAGTACTTGGAGTCTGCAGGTGCGAGA  
GTTGTACCAGTAAGGCTGGATCTTACAGAGAAAGACTATGAAATACTTTCAAATCTATTAATGGAATCC  
TTTTCCCTGGAGGAAGTGTGACCTCAGACGCTCAGATTATGCTAAAGTGGCCAAAATATTTATAACTT  
GTCCATACAGAGTTTTGATGATGGAGACTATTTTCCTGTGTGGGCACATGCCTTGGATTGAAGAGCTT  
TCACTGCTGATTAGTGGAGAGTGCTTATTAAGTCCACAGATACTGTTGACGTGGCAATGCCGCTGAACT  
TCACTGGAGGTCAATTGCACAGCAGAATGTTCCAGAATTTTCTACTGAGTTGTTGCTGTCATTAGCAGT  
AGAACCTCTGACTGCCAATTTCCATAAGTGGAGCCTCTCCGTGAAGAATTTACAATGAATGAAAAGTTA  
AAGAAGTTTTCAATGCTTAACATAAATACAGATGGCAAGATTGAGTTATTTCAACAATGGAAGGAT  
ATAAGTATCCAGTATATGGTGTCCAGTGGCATCCAGAGAAAGCACCTTATGAGTGAAGAATTTGGATGG  
CATTTCCCATGCACCTAATGCTGTGAAAACCGCATTTTATTTAGCAGAGTTTTTGTAAATGAAGCTCGG  
AAAAACAACCATCATTTTAAATCTGAATCTGAAGAGGAGAAAGCATTGATTTATCAGTTCAGTCCAATTT  
ATACTGGAAATATTTCTTCATTTACAGCAATGTTACATATTTGAT

**ACGCGT**ACGCGGCCGCTCGAG - GFP Tag - GTTTAA



[View online »](#)

**Protein Sequence:** >RG202265 representing NM\_003878  
 Red=Cloning site Green=Tags(s)

MASPGCLLCVLLGLLLGAASLELSRPHGDTAKKPIIGILMQKCRNKVMKNYGRYYIAASYVKYLESAGAR  
 VVPVRLDLTEKDYEILFKSINGILFPGGSVDLRRSDYAKVAKIFYNLSIQSFDDGDYFPVWGTC LGFEEL  
 SLLISGECLLTATDVTVDVAMPLNFTGGQLHSRMFQNFPTLELLSLAVEPLTANFHKWSLSVKNFTMNEKL  
 KKFFNVLTNTTDGKIEFISTMEGYKYPVYGVQWHPEKAPYEWKNLGDGISHAPNAVKTAFYLAEFFVNEAR  
 KNNHHFKSESEEEKALIYQFSPIYTGNISSFQCYIFD

TRTRPLE - GFP Tag - V

**Restriction Sites:** SgfI-MluI

**Cloning Scheme:**



**ACCN:** NM\_003878

**ORF Size:** 954 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\\_003878.3](#)

**RefSeq Size:** 1280 bp

**RefSeq ORF:** 957 bp

**Locus ID:** 8836

**UniProt ID:** [Q92820](#)

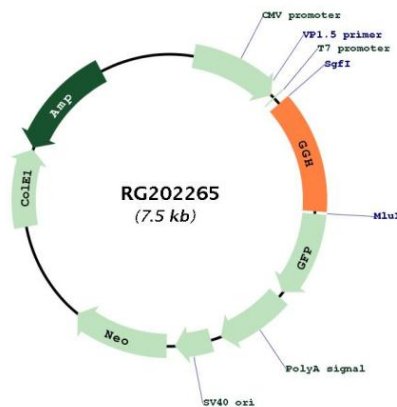
**Cytogenetics:** 8q12.3

**Protein Families:** Druggable Genome, Protease, Secreted Protein

**Protein Pathways:** Folate biosynthesis

**Gene Summary:** This gene catalyzes the hydrolysis of folylpoly-gamma-glutamates and antifolylpoly-gamma-glutamates by the removal of gamma-linked polyglutamates and glutamate. [provided by RefSeq, Jul 2008]

### Product images:



Circular map for RG202265