

Product datasheet for **RG201247**

GPKOW (NM_015698) Human Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	GPKOW (NM_015698) Human Tagged ORF Clone
Tag:	TurboGFP
Symbol:	GPKOW
Synonyms:	GPATC5; GPATCH5; Mos2; Spp2; T54
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-AC-GFP (PS100010)
E. coli Selection:	Ampicillin (100 ug/mL)



[View online »](#)

**ORF Nucleotide
Sequence:**

>RG201247 representing NM_015698
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGCATCGC**

ATGGCTGACTCCAAAGAGGGTGTTCCTGCGCTGACGGCTGCTTCCACTGCCCAATTTTCATTCGGCTTCA
 CTCGCACGTCCGCACGGAGGCGCTGGCCGACTCGGGAGACGGCGGGGCCATCTCCGAGGAGAAGGA
 TTTCTTGAAGACCGTGAAGGGAGGGAGCTGCAGAGTGTGAAGCCCCAGGAGGCCCAAGGAAGTCTGTC
 ATCCCTTTGATCCAGAATGGCCATCGCAGGCAGCCACCAGCCCGCCCTGGGCCATCCACAGATACTG
 GGGCCTTGGCGGATGGGGTGGTGTCCAGGCTGTGAAGGAGCTCATTGCGGAATCCAAGAAGTCTCTGGA
 AGAGAGAGAGAATGCGGGTGTGACCCACGCTCGCTATCCCATGATCCAGAAAGGATGCACCCACAGC
 GGGGAAGGGGAGACAGCGAAGCCCGGGCAGAGACAGTCCAGAGGAGGTAATTATGAGGCGGTCCCCG
 TGGAGGCTATGGGCTGGCCATGCTGCGGGCATGGGCTGGAACTGGCGAGGGCATCGGCCGACCTT
 CAATCAAGTAGTGAAGCCCGTGTCACTACTGAGGCCAAGGGTTAGGGCTGGGTGCCAACCTGACC
 GAGGCCACAGGCTTGACCCCACTGGCCCTCCCGCATGCCAAGACCAGATGAGGAGCAAGAGAAAGATA
 AGGAAGATCAGCCTCAAGGGCTGGTGCCTGGAGGAGCTGTGGTGGTCTTTCTGGCCCTACCGAGGCT
 CTATGGGAAGGTGGAAGGCTTGATCCTGACAATGTTGCGGCCATGGTTCGTCTGGCTGTGGGAGCCGG
 GTGGTGAAGTGTAGTGAAGTACTACCTGCGGCTGTCTCCAGCAGGAGTTTGACAAGAACACCTTGATC
 TCAGGCAACAGAACGGAAGTGCCTCATCACGGAAGACCTCTGGAATCAAGAACTCTACATCCAGCAGGA
 CAATCAGAGAGGAAGCGGAACACCTTCCAGACCGACAGGATGGGCTGCAGCAAGAGTGAGAAAGCA
 GCGCCCAAGAGTCAAGTGGTGTGACAGGGACCTGCGTGTGCGGTTTGTGGACAACATGTACAAAGGAG
 TGAAGGCCGAGTCTGGAAGGCTGAGGGAAGACATGCTGGAGACCCTGGTTCCCAAGGACAGGGGTGAC
 CGTGTGATGGTGGTGTGGGCCACAGACTGGAAGGGTGGGACATTTGCTGAGCCGGGACAGAGCACGGA
 GCGGGGCTTTGGTGAAGTCCCAAGAGAAAATCAGGTGGTGGAGCTTCACTACGATGCCATCTGCCAGTA
 CATGGGCCCTAGTGACACAGATGATGAC

ACGCGTACGCGGCCGCTCGAG – GFP Tag – GTTTAA

Protein Sequence:

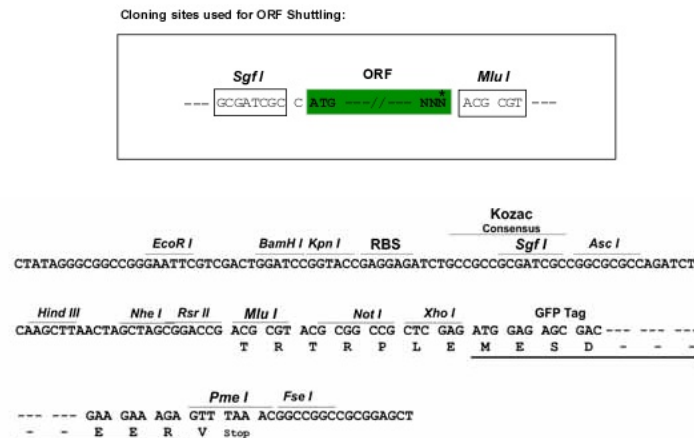
>RG201247 representing NM_015698
 Red=Cloning site Green=Tags(s)

MADSKGVLPLTAASTAPISFGFTRTSARRRLADSGDGAGPSPEEKDFLKTVEGRELQSVKPQEAPKELV
 IPLIQNGHRRQPPARPPGSTDGALADGVVSQAVKELIAESKKSLEERENAGVDPTLAIPMIQKGCTPS
 GEGADSEPRAEVPEEANYEAVPVEAYGLAMLRGMGWKPGEGIGRTFNQVVKPRVNSLRPKGLGLGANLT
 EAQALTPGTGSRMPRPDEEQEKDEQDQGLVPGGAVVVLSPHRLGLYKVEGLDPDNVRAMVRLAVGSR
 VVTVSEYYLRPVSQEFQDKNTLDLRQNGTASSRKTWNQELYIQQDNSEKRRKHLPRQDGPAAKSEKA
 APRSQHWLHRDLRVFVDNMYKGGQYYNTKMIIEDVLSPDTCVCRTDEGRVLEGLREDMLETLVPKAEGL
 RVMVVLGPQTGRVGHLLSRDRARSRLVQLPRENQVVELHYDAICQYMGPSDTHDD

TRTRPLE – GFP Tag – V

Restriction Sites:

SgfI-MluI

Cloning Scheme:


ACCN: NM_015698

ORF Size: 1428 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_015698.6](#)

RefSeq Size: 2975 bp

RefSeq ORF: 1431 bp

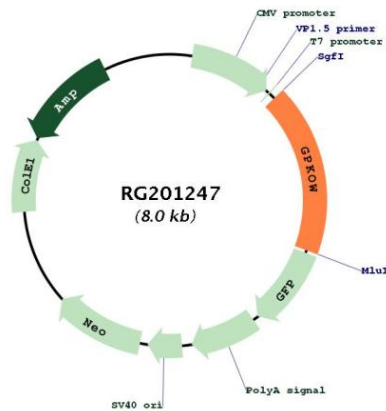
Locus ID: 27238

UniProt ID: [Q92917](#)

Cytogenetics: Xp11.23

Gene Summary: This gene encodes a putative RNA-binding protein containing G-patch and KOW (Kyprides, Ouzounis, Woese) domains. The encoded protein interacts directly with protein kinase A and protein kinase X and is also found associated with the spliceosome. [provided by RefSeq, Aug 2013]

Product images:



Circular map for RG201247