

Product datasheet for **SC114614**

GPKOW (NM_015698) Human Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	GPKOW (NM_015698) Human Untagged Clone
Tag:	Tag Free
Symbol:	GPKOW
Synonyms:	GPATC5; GPATCH5; Mos2; Spp2; T54
Mammalian Cell Selection:	None
Vector:	<u>pCMV6-XL4</u>
E. coli Selection:	Ampicillin (100 ug/mL)



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Fully Sequenced ORF: >OriGene ORF within SC114614 sequence for NM_015698 edited (data generated by NextGen Sequencing)

```
ATGGCTGACTCCAAAGAGGGTGTGTTTGGCGCTGACGGCTGCTTCCACTGCCCCAATTTCA
TTCGGCTTCACTCGCACGTCCGCACGGAGGCGGCTGGCCGACTCGGGAGACGGCGGGG
CCATCTCCGGAGGAGAAGGATTTCTTGAACCGTGGAAGGGAGGGAGCTGCAGAGTGTG
AAGCCCCAGGAGGCCCCCAAGGAACCTCGTCATCCCTTTGATCCAGAATGGCCATCGCAGG
CAGCCACAGCCCGGCCCTGGGCCATCCACAGATACTGGGGCCTTGGCGGATGGGGTG
GTGTCCAGGCTGTGAAGGAGCTCATTGCGGAATCCAAGAAGTCTCTGGAAGAGAGAGAG
AATGCGGGTGTGACCCACGCTCGCTATCCCCATGATCCAGAAAGGATGCACCCCCAGC
GGGGAAGGGGAGACAGCGAACCCCGGGCAGAGACAGTGCAGAGGAGGCTAATTATGAG
GCGGTCCCGTGAGGCTATGGGCTGGCCATGCTGCGGGGATGGGCTGGAACTGGC
GAGGGCATCGGCCGACCTTCAATCAAGTAGTGAAGCCCGTGTCAACTCACTGAGGCC
AAGGGTTAGGGTGGTGCCAACTGACCGAGGCCAGGCTTGACCCCACTGGCCCC
TCCCGCATGCCAAGACCAGATGAGGAGCAAGAGAAAGATAAGGAAGATCAGCCTCAAGGG
CTGGTGCCTGGAGAGCTGTGGTGGTTCTTCTGGCCCTACCGAGGCTCTATGGGAAG
GTGGAAGGCTTGATCTGACAATGTTGCGGCCATGGTTCTGCTGCTGTGGGGAGCCGG
GTGGTGACTGTTAGTGAGTACTACCTGCGGCTGTCTCCAGCAGGAGTTTGACAAGAAC
ACCTTGATCTCAGGCAACAGAACGGAAGTGCCTCATCAGGAAGACCTCTGGAATCAA
GAATCTACATCCAGCAGGACAACCTCAGAGAGGAAGCGGAACACCTTCCAGACCGACAG
GATGGGCTGCAGCAAGAGTGAGAAAGCAGCCCCAGAGTCACTGAGTGGTGCACAGG
GACCTGCGTGTGCGGTTTGTGGACAACATGTACAAAGGAGGCCAATTACAAACCAAG
ATGATAATTGAAGATGTCTAAGCCAGATACCTGTGTATGTCGACAGATGAAGGCCGA
GTCTTGAAGGCTGAGGGAAGACATGCTGGAGACCCTGGTTCCCAAGGCAGAGGGTGAC
CTGTGATGGTGGTGCTGGGCCACAGACTGGAAGGGTGGGACATTTGCTGAGCCGGGAC
AGAGCACGGAGCCGGGCTTTGGTGCAACTGCCAAGAGAAAATCAGGTGGTGGAGCTTAC
TACGATGCCATCTGCCAGTACATGGGCCCTAGTGACACAGATGATGACTGA
```

Clone variation with respect to NM_015698.4

5' Read Nucleotide Sequence:

>OriGene 5' read for NM_015698 unedited

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TTGTATACGACTCACTATAGGCGCCGCAATTGCGACGAGGGCTGACTCCAAAGAGGTG
TTTTGCCGCTGACGGCTGCTTCCACTGCCCCAATTTATTGCGCTTCACTCGCACGTCCG
CACGGAGGCGGCTGGCCGACTCGGGAGACGGCGGGGCCATCTCCGAGGAGAAGGATT
TCTTGAACCGTGGAAGGGAGGGAGCTGCAGAGTGTGAAGCCCCAGGAGGCCCAAGG
AACTCGTCATCCCTTTGATCCAGAATGGCCATCGCAGGCAGCCACCAGCCCGGCCCTG
GGCCATCCACAGATACTGGGGCCTTGGCGGATGGGGTGGTGTCCAGGCTGTGAAGGAGC
TCATTGCGGAATCCAAGAAGTCTCTGGAAGAGAGAGAGAATGCGGGTGTGACCCACGC
TCGCTATCCCCATGATCCAGAAAGGATGCACCCAGCGGGGAAGGGGAGACAGCGAAC
CCCGGGCAGAGACAGTGCCAGAGAGGCTAATTATGAGGCGGTCCCGTGAGGCTATG
GGCTGGCCATGCTGCGGGGATGGGCTGGAACTGGCGAGGGCATCGGCCGACCTTCA
ATCAAGTAGTGAANGCCCGTGTCAACTCACTGAGGCCCAAGGNGTANGGNNCTGGTGC
CAACCTGACCGAGGCCANGCCTTGACCCCACTGGNNCCCTTCCCGCATGCCAAGACCA
GATGAGGAGCAAGAGAAGATAGGAAGAACAGCCTCAAGGGCNNTGTGCTGAGAGCTGN
GGGGGTTCTTTCTGGGCCCTACCGAGCCTTATGGGAAGGGGAAGCCCTGATCTGACAT
GTTGCGGCACTGGGTCNNNTTGCTTGGGAGACCCGGGGGACACGTTTTAAGAAACCTA
CTCGGCCCGCA
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Restriction Sites:

NotI-NotI

ACCN:

NM_015698

OTI Disclaimer:	Our molecular clone sequence data has been matched to the reference identifier above as a point of reference. Note that the complete sequence of our molecular clones may differ from the sequence published for this corresponding reference, e.g., by representing an alternative RNA splicing form or single nucleotide polymorphism (SNP).
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:	<u>NM_015698.3</u> , <u>NP_056513.2</u>
RefSeq Size:	1669 bp
RefSeq ORF:	1431 bp
Locus ID:	27238
UniProt ID:	<u>Q92917</u>
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]