

Product datasheet for **RG220596**

PP14397 (JMJD8) (NM_001005920) Human Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	PP14397 (JMJD8) (NM_001005920) Human Tagged ORF Clone
Tag:	TurboGFP
Symbol:	PP14397
Synonyms:	C16orf20; PP14397
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-AC-GFP (PS100010)
E. coli Selection:	Ampicillin (100 ug/mL)
ORF Nucleotide Sequence:	>RG220596 representing NM_001005920 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCC**CGATCGCC**

ATGGCTGGCGGATGGGCCAAGGTTCCCGCGTGCAGCGCGGCTGCCTGAGGGCGGCAGGCTCATGGCGC
CGGCGTCGCGTTGCTCGCGCTCTGGGCGCTGGCGGCTGTGGCTCTACCCGGCTCCGGGGCGAGGGCGA
CGGCGGGTGGCGCCCGGGCGGGCCGGGGCCGTGGCGGAGGAGGAGCGCTGCACGGTGGAGCGTCGGGC
GACCTCACCTACGCGGAGTTCGTGCAGCAGTACGCCTTCGTGAGCCCGTCATCTGCAGGGACTCACGG
ACAACCTCGAGGTTCCGGGCCCTGTGCTCCCGCGACAGGTTGCTGGCTTCGTTGGGGACAGAGTGGTCCG
GCTGAGCACCGCCAACACCTACTCCTACCACAAAGTGGACTTGCCCTTCCAGGAGTATGTGGAGCAGCTG
CTGACACCCAGGACCCACCTCCTGGCAATGACACCCGTACTTCTTCGGGGACAACAACCTTACCG
AGTGGGCTCTCTCTTCGGCACTACTCCACCCCAATTTGGCCTGCTGGGAACCGCTCCAGCTTACAG
CTTTGGAATCGCAGGAGCTGGCTCGGGGTGCCCTTCCACTGGCATGGACCCGGTACTCAGAAGTGATC
TACGGTCGTAAGCGTGGTTCCTTTACCCACCTGAGAAGACGCCAGAGTTCACCCCAACAAGACCACGC
TGGCCTGGCTCCGGGACACATACCCAGCCCTGCCACCGTCTGCACGGCCCTGGAGTGTACCATCCGGGC
TGGTAGGTGCTGACTTCCCGACCGTGGTGGCATGCTACGCTCAACCTTGACACCAGCGTCTTCATC
TCCACCTTCTCGGC

ACGCGTACGCGGCCGCTCGAG - GFP Tag - GTTTAA



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Protein Sequence: >RG220596 representing NM_001005920
 Red=Cloning site Green=Tags(s)

MAGGWAQGSRRARLPEGGRMAPASRLALWALAAVALPGSGAEGDGGWRPGGPGAVAEERCTVERRA
 DLTYAEFVQQYAFVRPVILQGLTDNSRFRALCSRDRLLASFGDRVRLSTANTYSYHKVDLPFQEYVEQL
 LHPQDPTSLGNDTLYFFGDNNFTEWASLFRHYSPPFGLLGTAPAYSFGIAGAGSGVPPFHHWGPYSEVI
 YGRKRWFLLYPPEKTPEFHPNKTTLAWLRDITYPALPPSARPLECTIRAGEVLYFPDRWWHATLNLDTSVFI
 STFLG

TRTRPLE - GFP Tag - V

Restriction Sites: SgfI-MluI

Cloning Scheme:



ACCN: NM_001005920

ORF Size: 855 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_001005920.2](#), [NP_001005920.2](#)

RefSeq Size: 2074 bp

RefSeq ORF: 795 bp

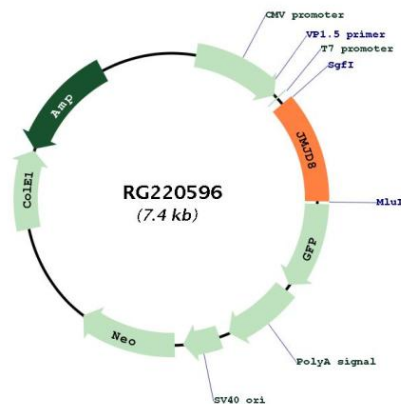
Locus ID: 339123

UniProt ID: [Q96S16](#)

Cytogenetics: 16p13.3

Gene Summary: Functions as a positive regulator of TNF-induced NF-kappa-B signaling (PubMed:27671354). Regulates angiogenesis and cellular metabolism through interaction with PKM (PubMed:27199445).[UniProtKB/Swiss-Prot Function]

Product images:



Circular map for RG220596