

Product datasheet for **SC307641**

QRFP (NM_198180) Human Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	QRFP (NM_198180) Human Untagged Clone
Tag:	Tag Free
Symbol:	QRFP
Synonyms:	26RFa; P518
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
Fully Sequenced ORF:	>SC307641 representing NM_198180. Blue=Insert sequence Red=Cloning site Green=Tag(s)

GCTCGTTTAGTGAACCGTCAGAATTTTGTAAACGACTCACTATAGGGCGGCCGGAATTCGTCGACTG
 GATCCGGTACCGAGGAGATCTGCCGCC**CGATCGCC**
 ATGGTAAGGCCTTACCCCTGATCTACTTCCTCTTCTGCGCTGGGCGCCTGCTTCCCTCTACTGGAC
 AGAAGAGAGCCCACAGACGCCATGGGTGGCTCGGAGCTGGAGAAGCTGGGCCGACCTGGCCATGGGG
 CCCCAGCCCACTCCGTGTGGGTTCTCTCGGTGGCTGAGAGCTTACAGCCACAGGCCCTGCTTGTC
 ATAGCCAGGGGGCTGCAGACATCGGGCAGAGAGCATGCTGGCTGCAGATTCGCTTCGGGAGGCAGGAC
 GAAGGCAGTGAGGCCACCGGCTTCCTCCCTGCTCGGGGGAAGACCAGCGGCCGTTAGGGAACCTG
 GCTGAGGAGCTCAATGGCTACAGCAGGAAGAAAGCGGCTTCAGCTTCGCTTCGGTCGGCGG**TGA**
ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCTGGAT
 TACAAGGATGACGACGATAAGGTTTAAACGGCCGCGC

Restriction Sites:	SgfI-MluI
ACCN:	NM_198180
Insert Size:	411 bp
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).
OTI Annotation:	This TrueClone is provided through our Custom Cloning Process that includes sub-cloning into OriGene's pCMV6 vector and full sequencing to provide a non-variant match to the expected reference without frameshifts, and is delivered as lyophilized plasmid DNA.


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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:	<ol style="list-style-type: none"> 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_198180.2</u>
RefSeq Size:	932 bp
RefSeq ORF:	411 bp
Locus ID:	347148
UniProt ID:	<u>P83859</u>
Cytogenetics:	9q34.12
MW:	14.9 kDa
Gene Summary:	<p>This gene encodes a preproprotein that is proteolytically processed to generate multiple protein products. The encoded products are members of the RFamide family of neuropeptides, characterized by their common protein C-terminus consisting of an arginine (R) and an amidated phenylalanine (F). These products include the neuropeptides 26RFa and the N-terminally extended form, 43RFa. Both of these neuropeptides bind to the pyroglutamylated RFamide peptide receptor (QRFP) and may regulate blood pressure, reproduction and food intake in rodents. [provided by RefSeq, Jul 2015]</p>