

Product datasheet for **RG217842**

C19orf2 (URI1) (NM_003796) Human Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	C19orf2 (URI1) (NM_003796) Human Tagged ORF Clone
Tag:	TurboGFP
Symbol:	URI1
Synonyms:	C19orf2; NNX3; PPP1R19; RMP; URI
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-AC-GFP (PS100010)
E. coli Selection:	Ampicillin (100 ug/mL)



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ORF Nucleotide Sequence:

>RG217842 representing NM_003796
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGCATCGCC**

ATGGAGGCGCCACCGTGGAGACGCCCCCGACCCTCGCCCCCTCGGCCCGGCCCTGCCCTGGTTC
 CGTTGCGCGCCCGGATGTGGCGCGGCTGCGCGAGGAGCAGGAAAAGGTGGTCACTAACTGCCAAGAGAG
 AATCCAGCATTGGAAGAAGGTAGATAATGACTATAATGCCCTTCGAGAAAAGACTCAGCACCTTGCCTGAT
 AAATTGCTTATAATATAATGGTACCATTTGGCCCTTTTGCCTTCATGCCAGAAAACCTGTCCATACTA
 ATGAAGTCACTGTTTTACTGGGGGACAACGGTTTGCAAAGTGCTCAGCAAAGCAGGCTGTAGGTTTAGT
 TGAGCACCGGAAAGAACATGTAAGAAAAACAATAGATGACTTAAAAAAGTGATGAAAAATTTTGAATCC
 AGAGTTGAATTCACAGAAGATTTGCAGAAAATGAGCGATGCTGCAGGTGATATTGTTGACATACGAGAAG
 AAATTAATGTGACTTCGAATTTAAAGCAAACACCGAATTGCTCATAAACCGCATTCCAAACAAAAAC
 TTCAGATATTTTTGAAGCAGATATTGCAAATGATGTGAAATCCAAGGATTTGCTAGCTGATAAAGAAGCTG
 TGGGCTCGACTTGAAAGACTAGAGAGACAGGAAGAATTGCTGGGTGAACTTGATAGTAAGCTGATACTG
 TGATTGCAAAATGGAGAAGATACGACATCTTCTGAAGAGGAAAAGGAAGATCGTAACACAAATGTGAATGC
 GATGCATCAAGTAACAGACTCTCATACTCCTTGTGATAAGGATGTTGCAAGTTCAGAACCATTCACTGGT
 CAAGTGAATAGTCAGTTGAACTGTTCACTGAAATGGTCCAGTTCTTACCACAGTATGATGATGATGATG
 ATGATGATGACGACGACGACGACAACATTGACGACGATGATGGTGATAACGACCATGAGGCTTTAGGGGT
 TGGAGATAATTCTATACCAACAATATTTTTTACATACTGTTGAGCCTAAGAGGGTCCGAATAAATACT
 GGAAAGAATACCACTTTAAAATTCAGTAAAAAGAAAGAAAGCCAAACGTAAACGAAAGAACAGCACTG
 GCAGTGGCCACTCTGCCAGGAGCTGCCACCATCAGGACGCTGCAGACATTTACAGAGCCTTTGTTGT
 GTTTGTGAATGGAGAATATGTCCCTCGCAAATCCATCCTGAAGTCTCGAAGTAGAGAGAATAGTGTGTGT
 AGCGACACTAGTGAAGCAGTGCTGCTGAATTTGATGATAGGCGGGGAGTTTTGAGGAGTATCAGCTGCG
 AAGAAGCCACTTGCAGTGACACCAGTGAGAGCATTGGAAGAGGAACCAAGAAAATCAAAGAAACT
 TTTGCCCTTATCAGTAACACCTGAGGCTTTTTCTGGAAGTGTATAGAAAAAGAAATTTGTATCACCTTCC
 TTAACACCACCCAGCCATTGCTCATCCGCACTACCCACTATTCCAGAACGAAAGGAAGTTCTGTTGG
 AAGCATCTGAAGAACTGGAAAGAGGGTTTCAAAGTTAAAGCTGCCAGATTGCAACAGAAAGAC

ACGCGTACGCGGCCGCTCGAG – GFP Tag – GTTTAA

Protein Sequence:

>RG217842 representing NM_003796
 Red=Cloning site Green=Tags(s)

MEAPTVEPTPPDPSPPSAPAPALVPLRAPDVARLREEQEKVVTNCQERIQHWKVDNDYNALRERLSTLPD
 KLSYNIMVPPGPFAPMPGKLVHTNEVTVLLGDNWF AKCSAKQAVGLVEHRKEHVRKTIDDLKVMKNFES
 RVEFTEDLQKMSDAAGDIVDIREEIKCDFEFKAKHRIAHPKPKTSDIFEADIANDVKSDDLADKEL
 WARLEELERQEELLGELDSKPDVIANGEDTTSSEEEKDRNTNVNAMHQVTDSTPCHKDVASSEPFSG
 QVNSQLNCSVNGSSSYHSDDDDDDDDDDDNIDDDGDNDHEALGVGDNSIPTIYFSHTVEPKRVRINT
 GKNTTLKFSEKKEEAKRKRKNSTGSGHSAQELPTIRTPADIYRAFVDVVNGEYVPRKSILKSRRENSVC
 SDTSESSAAEFDRRGVLRISCEEATCSDTSESILEEEPPQENQKLLPLSVTPEAFSGTVIEKEFVSPS
 LTPPPAIAHPALPTIPERKEVLLLEASEETGKRVSFKFAARLQQKD

TRTRPLE – GFP Tag – V

Restriction Sites:

Sgfl-MluI

ACCN:	NM_003796
ORF Size:	1605 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:	<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:	NM_003796.3
RefSeq Size:	2295 bp
RefSeq ORF:	1608 bp
Locus ID:	8725
UniProt ID:	O94763
Cytogenetics:	19q12
Domains:	DUF232
Protein Families:	Transcription Factors
Gene Summary:	<p>This gene encodes member of the prefoldin family of molecular chaperones. The encoded protein functions as a scaffolding protein and plays roles in ubiquitination and transcription, in part through interactions with the RNA polymerase II subunit RPB5. This gene may play a role in multiple malignancies including ovarian cancer and hepatocellular carcinoma. Alternatively spliced transcript variants encoding multiple isoforms have been observed for this gene, and a pseudogene of this gene is located on the long arm of chromosome 22. [provided by RefSeq, Nov 2011]</p>