

Product datasheet for **RG212963**

FOLR3 (NM_000804) Human Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	FOLR3 (NM_000804) Human Tagged ORF Clone
Tag:	TurboGFP
Symbol:	FOLR3
Synonyms:	FR-G; FR-gamma; FRgamma; gamma-hFR
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-AC-GFP (PS100010)
E. coli Selection:	Ampicillin (100 ug/mL)
ORF Nucleotide Sequence:	>RG212963 representing NM_000804 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCC**CGATCGCC**

ATGGACATGGCCTGGCAGATGATGCAGCTGCTGCTTCTGGCTTTGGTGACTGCTGCGGGGAGTGCCAGC
CCAGGAGTGCGCGGGCCAGGACGGACCTGCTCAATGTCTGCATGAACGCCAAGCACCACAAGACACAGCC
CAGCCCCGAGGACGAGCTGTATGGCCAGTGCAGTCCCTGGAAGAAGAATGCCTGCTGCACGGCCAGCACC
AGCCAGGAGCTGCACAAGGACACCTCCCGCTGTACAACTTAACTGGGATCACTGTGGTAAGATGGAAC
CCACCTGCAAGCGCCACTTTATCCAGGACAGCTGTCTCTATGAGTGCTCACCCAACCTGGGGCCCTGGAT
CCGGCAGGTCAACCAGAGCTGGCGCAAAGAGCGCATTCTGAACGTGCCCTGTGCAAAGAGGACTGTGAG
CGCTGGTGGGAGGACTGTCGCACCTCTACACCTGCAAAAAGCAACTGGCACAAGGCTGGAATTGGACCT
CAGGGATTAATGAGTGTCCGGCCGGGGCCCTCTGCAGCACCTTTGAGTCCTACTTCCCCACTCCAGCCGC
CCTTTGTGAAGGCCTCTGGAGCCACTCCTCAAGGTCAGCAACTATAGTCGAGGGAGCGGCCGCTGCATC
CAGATGTGGTTTACTCAGCCCAGGGCAACCCCAATGAGGAGGTGGCCAAGTTCTATGCTGCGGCCATGA
ATGCTGGGGCCCGTCTCGTGGGATTATTGATTCC

ACGCGTACGCGGCCGCTCGAG - GFP Tag - GTTTAA



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Protein Sequence: >RG212963 representing NM_000804
 Red=Cloning site Green=Tags(s)

MDMAWQMMQLLLLALVTAAGSAQPR SARARTDLLNVCMNAKHHKTPSPEDELYGQCSPWKKNACCTAST
 SQELHKDTSRLYNFNWDHCGKMEPTCKRHFIQDSCLYECSPLGPWIRQVNSWRKERILNVPLCKEDCE
 RWWEDCRTSYTCKSNWHKGWNWTSGINECPAGALCSTFESYFPTPAALCEGLWSHSFKVSNYSRSGSRCI
 QMWFDSAQGNPNEEVAKFYAAAMNAGAPSRGIIDS

TRTRPLE - GFP Tag - V

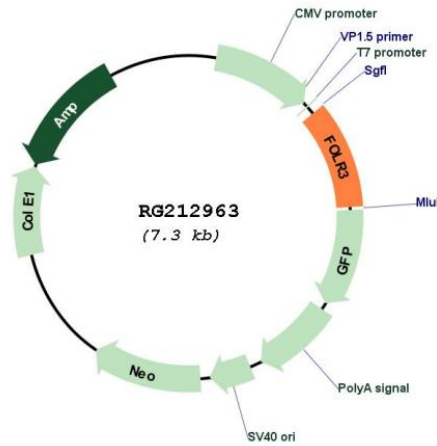
Restriction Sites: SgfI-MluI

Cloning Scheme:

Cloning sites used for ORF Shutting:



Plasmid Map:



ACCN: NM_000804

ORF Size: 735 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_000804.4
RefSeq Size:	858 bp
RefSeq ORF:	738 bp
Locus ID:	2352
UniProt ID:	P41439
Cytogenetics:	11q13.4
Domains:	Folate_rec
Protein Families:	Druggable Genome, Secreted Protein
Gene Summary:	This gene encodes a member of the folate receptor (FOLR) family of proteins, which have a high affinity for folic acid and for several reduced folic acid derivatives, and mediate delivery of 5-methyltetrahydrofolate to the interior of cells. Expression of this gene may be elevated in ovarian and primary peritoneal carcinoma. This gene is present in a gene cluster on chromosome 11. Alternative splicing results in multiple transcript variants. [provided by RefSeq, Dec 2015]