*m*RNF43 VersaClone cDNA

Catalog Number: RDC1090

Specifications:

Gene:	*m*Rnf43
Accession:	NP_766036
Insert size:	2367bp
Concentration:	10µg at 0.2µg/µL

Description

This shuttle vector contains the complete ORF for the gene of interest, along with a Kozak consensus sequence for optimal translation initiation. It is inserted NotI to AscI. The gene insert is flanked with convenient multiple cloning sites which can be used to easily cut and transfer the gene cassette into your desired expression vector.

Preparation and Storage

Formulation	cDNA is provided in 10 mM Tris-Cl, pH 8.5
Shipping	Ships at ambient temperature
Stability	1 year from date of receipt when stored at -20°C to -80°C
Storage	Use a manual defrost freezer and avoid repeated freeze-thaw cycles.

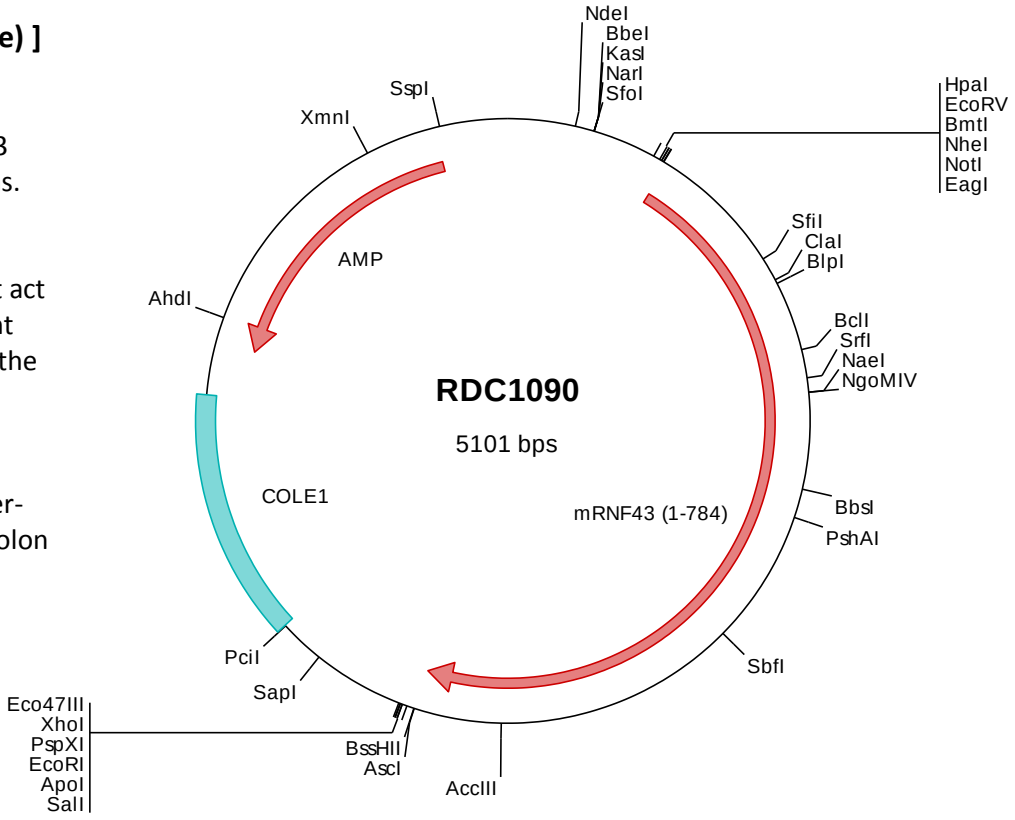
*m*RNF43 cDNA Plasmid

Rnf43 ring finger protein 43

[*Mus musculus* (house mouse)]

Summary:

RNF43 is a member of the ZNRF3 family of ubiquitin ligase proteins. RNF43 is co-expressed with the related protein ZNRF3, and both serve as E3 ubiquitin ligases that act as negative regulators of the Wnt signaling pathway by mediating the ubiquitination, endocytosis, and subsequent degradation of Wnt receptor complex components Frizzled. RNF43 is frequently over-expressed in cancers including colon cancer.



FOR RESEARCH USE ONLY

NOT FOR USE IN HUMANS

> RDC1090 Plasmid DNA Sequence

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 201  ccgcacagat gcgtaaggag aaaataccgc atcaggcgcc attcgccatt caggctgcgc aactgttggg aagggcgatc ggtgcgggcc tcttcgctat
 301  tacgccagct ggcgaaaggg ggatgtgctg caaggcgatt aagttgggta acgccagggt tttcccagtc acgacgttgt aaaacgacgg ccagtgaatt
 401  ggagacgtgt taacaagctt ggatccgata tcgctagcgc ggccgccacc atgagtggtg gccaccagct gcagctggct gtcctctggc cctggctgct
 501  gatggcaacc ctgcacgcag gcttcggaca cacaggacgg gtgctggcgg cggcagtgga gtccgaaaga tcagcagaac agaaagctgt tatcagagtg
 601  atccccttga aaatggaccc cacaggaaaa ctgaacctca ctttggaagg cgtgtttgct ggtgttgcag aagtgactcc agcagaaggg aagctaatgc
 701  agtcccacca cctgtacctg tgcaacgcca gtgatgacga caaccttgag cctgggttca tcagcatcgt caagctggag agccctcgac gagctcctcg
 801  cccctgcctg tcactggcca gtaaggcccg aatggctggt gagcgaggag ccaacgcagt actctttgac atcaccgagg atcgatcagc tgctgagcag
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1901  acgtcagcct gcagggcatc cacggcagca gctccacctt ccgaagctcc ctgagcagtg actttgaccc cttggtatac tgtagtcctg aaggggatct
2001  ccaagggaaa gggatacaac ctagtgtgac ctctcgaccc cgctcgctgg actcagtggt acccagggga gagacccagg tttccagcca catacactat
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2301  agagccagcc cctggcctag cagaagcttc cagccctagc cccagtccca aacctaaccc cagcggtctt ttgaacttgc agaaatccag cctcactgtc
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> RDC1090 Translated Insert Sequence

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 201  illtvvgtvf viilasvlri rcrphhsrpd plqqrtarai sqlatrryqa gcrraraewp dsgsscsstp vcaicleefs egqelrvisc lhefhrtcvd
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 601  ptassmlpnp qrpraltepa pglaeassps pspkpnpsgl lnlqkssltv rhphrkrrgg pseplptslp pdltvhtacp vfphysprla ypwppevhpl
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