

## Product datasheet for **RG207979**

### RNF149 (NM\_173647) Human Tagged ORF Clone

#### Product data:

Product Type:	Expression Plasmids
Product Name:	RNF149 (NM_173647) Human Tagged ORF Clone
Tag:	TurboGFP
Symbol:	RNF149
Synonyms:	DNAPTP2
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-AC-GFP (PS100010)
E. coli Selection:	Ampicillin (100 ug/mL)
ORF Nucleotide Sequence:	>RG207979 representing NM_173647 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC  
GCC**CGATCGCC**

ATGGCGTGGCGGGCGCGAAGCCAGCGTCGGGGCTCGCGCGTGTGGCTCTGGCGTTGCTCGCCCTGG  
CCCTGTGCGTGCCCGGGCCCGGGCCGGGCTCTCGAGTGGTTCTCGGCCGTGGTAAACATCGAGTACGT  
GGACCCGACAGCAACCTGACGGTGTGGAGCGTCTCGGAGAGTGGCCGCTTCGGCGACAGCTCGCCCAAG  
GAGGGCGCGCATGGCCTGGTGGCGTCCCGTGGGCGCCCGCGGAGACCTCGAGGGCTGCGCGCCCGACA  
CGCGCTTCTTCGTGCCGAGCCCGCGCGCGAGGGCCCGGCCCTGGGTGCCCTGGTGGCTCGTGGGG  
CTGCACCTTCAAGGACAAGGTGCTGGTGGCGCGCGGAGGAACGCCTCGGCCGTCGCTCTACAATGAG  
GAGCGCTACGGGAACATCACCTTGCCCATGTCTCACGCGGAACAGGAAATATAGTGGTCATTATGATTA  
GCTATCCAAAAGGAAGAGAAATTTGGAGCTGGTGCAAAAAGGAATTCAGTAACGATGACCATAGGGGT  
TGGCACCCGGCATGTACAGGAGTTCATCAGCGTCAGTCTGTGGTGTGGCCATTGCCTTCATCACC  
ATGATGATTATCTCGTTAGCCTGGCTAATTTTACTATATACAGCGTTTCTATATACTGGCTCTCAGA  
TTGGAAGTCAGAGCCATAGAAAAGAACTAAGAAAGTTATTGGCCAGCTTCTACTTCATACTGTAAGCA  
TGGAGAAAAGGAATTGATGTTGATGCTGAAAATTGTGCAGTGTGATTGAAAATTTCAAAGTAAAGGAT  
ATTATTAGAATTCTGCCATGCAAGCATATTTTTCATAGAATATGCATTGACCCATGGCTTTTGGATCACC  
GAACATGTCCAATGTGTAACCTTGATGTATCAAAAGCCCTAGGATATTGGGGAGAGCCTGGGGATGTACA  
GGAGATGCCTGTCCAGAACTCTCCTCCTGGAAGGATCCAGCTGCAAATTTGAGTCTAGCTTTACCAGAT  
GATGACGGAAGTGTGAGAGCAGTCCACCATCAGCCTCCCTGTGAATCTGAGCCACAGTGTGATCCCA  
GCTTTAAAGGAGATGCAGGAGAAAATACGCATTGCTAGAAGCCGGCAGGAGTACTCTCGCATGGAGG  
ACCCATCTCC

**ACGCGT**ACGCGGCCGCTCGAG - GFP Tag - GTTTAA



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**Protein Sequence:** >RG207979 representing NM\_173647  
Red=Cloning site Green=Tags(s)

MAWRRREASVGARGVLALALLALALCVPGARGRALEWFSAVVNIEYVDPQTNLTVWSVSESGRFGDSSPK  
 EGAHGLVGVPWAPGGDLEGCAPDTRFFVPEPGGGAAPWVALVARGGCTFKDKLVAARRNASAVVLYNE  
 ERYGNITLPMASHAGTGNIVVIMISYPKGREILELVQKGIPTMTIGVGRHVQEFISGQSVVFAIAFIT  
 MMIISLAWLIFYIQRFLYTGSQIGSQSHRKETKKVIGQLLLHTVKHGEKGIDVDAENCAVCIENFKVKD  
 IIRILPCKHIFHRICIDPWLLDHRTCPMCKLDVIKALGYWGEQEMPAPEPSPGRDPAANLSLALPD  
 DDGSESSPPSASPASEPQCDPSFKGDAGENTALLEAGRSDSRHGGPIS

TRTRPLE - GFP Tag - V

**Restriction Sites:** SgfI-MluI

**Cloning Scheme:**



**ACCN:** NM\_173647

**ORF Size:** 1200 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\\_173647.2](#), [NP\\_775918.1](#)

**RefSeq Size:** 2452 bp

**RefSeq ORF:** 1203 bp

**Locus ID:** 284996

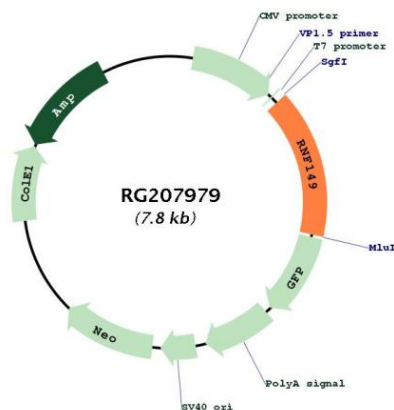
**UniProt ID:** [Q8NC42](#)

**Cytogenetics:** 2q11.2

**Protein Families:** Druggable Genome, Transmembrane

**Gene Summary:** E3 ubiquitin-protein ligase. Ubiquitinates BRAF, inducing its proteasomal degradation. [UniProtKB/Swiss-Prot Function]

### Product images:



Circular map for RG207979