

Product datasheet for **RG219546**

ZNRF3 (NM_032173) Human Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	ZNRF3 (NM_032173) Human Tagged ORF Clone
Tag:	TurboGFP
Symbol:	ZNRF3
Synonyms:	BK747E2.3; RNF203
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-AC-GFP (PS100010)
E. coli Selection:	Ampicillin (100 ug/mL)



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Protein Sequence: >RG219546 representing NM_032173
 Red=Cloning site Green=Tags(s)

MHPLGLCANNDEEDL YEYGWVG VVKLEQPELDPKPCLTVL GKAKRAVQRGATAVIFDVSENPEAIDQLNQ
 GSEDP LKR P V V Y V K G A D A I K L M N I V N K Q K V A R A R I Q H R P P R Q P T E Y F D M G I F L A F F V V V S L V C L I L L V K I
 K L K Q R R S Q N S M N R L A V Q A L E K M E T R K F N S K S K G R R E G S C G A L D T L S S S S T S D C A I C L E K Y I D G E E L R V I P
 C T H R F H R K C V D P W L L Q H H T C P H C R H N I I E Q K G N P S A V C V E T S N L S R G R Q R V T L P V H Y P G R V H R T N A I P A
 Y P T R T S M D S H G N P V T L L T M D R H G E Q S L Y S P Q T P A Y I R S Y P P L H L D H S L A A H R C G L E H R A Y S P A H P F R R P K
 L S G R S F S K A A C F S Q Y E T M Y Q H Y Y F Q G L S Y P E Q E G Q S P P S L A P R G P A R A F P P S G S G S L L F P T V V H V A P P S H
 L E S G S T S S F S C Y H G H R S V C S G Y L A D C P G S D S S S S S S S G Q C H C S S S D S V V D C T E V S N Q G V Y G S C S T F R S S L
 S S D Y D P F I Y R S R S P C R A S E A G G S G S S G R P A L C F E G S P P P E E L P A V H S H G A G R G E P W P G P A S P S G D Q V S T
 C S L E M N Y S N S S L E H R G P N S S T S E V G L E A S P G A A P D L R R T W K G G H E L P S C A C C C E P Q P S P A G P S A G A A G S
 S T L F L G P H L Y E G S G P A G G E P Q S G S S Q G L Y G L H P D H L P R T D G V K Y E G L P C C F Y E E K Q V A R G G G G S G C Y T E
 D Y S V S V Q Y T L T E E P P P G C Y P G A R D L S Q R I P I I P E D V D C D L G L P S D C Q G T H S L G S W G G T R G P D T P R P H R G L
 G A T R E E E R A L C C Q A R A L L R P G C P P E E A G A V R A N F P S A L Q D T Q E S T T A T E A A G P R S H S A D S S S P G A

TRTRPLE - GFP Tag - V

Restriction Sites: Sgfl-MluI

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_032173.3](#), [NP_115549.2](#)

RefSeq Size: 6541 bp

RefSeq ORF: 2511 bp

Locus ID: 84133

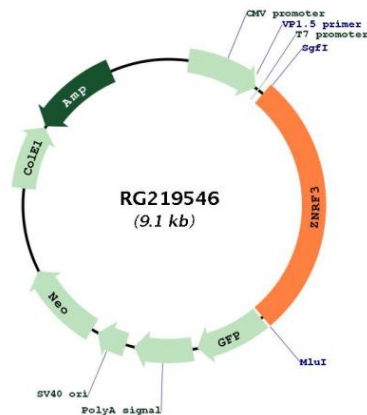
UniProt ID: [Q9ULT6](#)

Cytogenetics: 22q12.1

Protein Families: Druggable Genome, Transmembrane

Gene Summary: E3 ubiquitin-protein ligase that acts as a negative regulator of the Wnt signaling pathway by mediating the ubiquitination and subsequent degradation of Wnt receptor complex components Frizzled and LRP6. Acts on both canonical and non-canonical Wnt signaling pathway. Acts as a tumor suppressor in the intestinal stem cell zone by inhibiting the Wnt signaling pathway, thereby restricting the size of the intestinal stem cell zone (PubMed:22575959). Along with RSPO2 and RNF43, constitutes a master switch that governs limb specification (By similarity).[UniProtKB/Swiss-Prot Function]

Product images:



Circular map for RG219546