

Product datasheet for **MG215754**

Znrf3 (NM_001080924) Mouse Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Znrf3 (NM_001080924) Mouse Tagged ORF Clone
Tag:	TurboGFP
Symbol:	Znrf3
Synonyms:	Gm1167
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-AC-GFP (PS100010)
E. coli Selection:	Ampicillin (100 ug/mL)



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ORF Nucleotide Sequence:

>MG215754 representing NM_001080924
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGGATCGCC**

ATGAGGCCACGCTCGGGCGGGCCAGGGGCCCGGGCCGCGCCGCGCCCTCCGCCGCGGCCCC
 GCGGTCGTCGCTGCCGCGCCGCGCCGCTGCCGCTGCTTCTCGGGCTGCTGCTGGCGGCCGCGGGGCC
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 AAGAGAGCAGTTCAGCGGGGAGCTACTGCAGTTATCTTTGATGTATCTGAAAATCCAGAAGCCATCGACC
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 CCAGGACACTCAGGAGTCTCATGCCCTGGCTGCTGAGGCTTCCAGGACCAGGATCTGGCCAGGCATCGGT
 ACGGGAGCT

ACGCGTACGCGGCCGCTCGAG – GFP Tag – GTTTAA

Protein Sequence: >MG215754 representing NM_001080924
Red=Cloning site Green=Tags(s)

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MRPRSGRPGAPGRRRRRLRRGPRGRRLPPPPPLLLLGLLLAAAGPGAARAKETAFVEVLFESSPSGD
YTTHTTGLTGRFSRAGAMLSAEGEIVQMHLGLCNNNDEEDL YEYGWVGVVVKLEQPELDPKPCLTVLGKA
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TEYFDMGIFLAFFVVVSLVCLILLVKIKLKQRRSQNSMNRLAVQALEKMETRKFNSKSKGRREGSCGALD
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GQSRAFPSPGASSLLFPTMVHVAPPTHVESGSTSSFSCYHGHRVCSGYLADCPGSDSSSSSSGQCRCSS
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SLDVPRLHWSLGTTRREEQAPCYQAEVQPGCSPEEAGASRASLSSAPQDTQESHALAAEASGPGSGPGIG
TGA
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TRTRPLE - GFP Tag - V

Chromatograms: https://cdn.origene.com/chromatograms/ja1365_f11.zip

Restriction Sites: SgfI-MluI

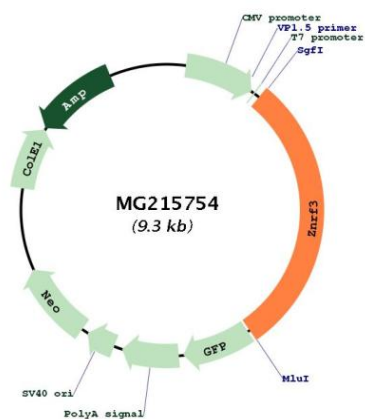
Cloning Scheme:



ACCN: NM_001080924

ORF Size:	2739 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_001080924.2 , NP_001074393.1
RefSeq Size:	6306 bp
RefSeq ORF:	2742 bp
Locus ID:	407821
UniProt ID:	Q5SSZ7
Cytogenetics:	11 A1
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, PubMed:22895187). Along with RSPO2 and RNF43, constitutes a master switch that governs limb specification (By similarity).[UniProtKB/Swiss-Prot Function]

Product images:



Circular map for MG215754