

Product datasheet for **RG200837**

ZNF574 (NM_022752) Human Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	ZNF574 (NM_022752) Human Tagged ORF Clone
Tag:	TurboGFP
Symbol:	ZNF574
Synonyms:	FP972
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-AC-GFP (PS100010)
E. coli Selection:	Ampicillin (100 ug/mL)



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ORF Nucleotide Sequence:

>RG200837 representing NM_022752
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGGATCGCC**

ATGACTGAGGAATCAGAGGAGACAGTCCTGTACATTGAGCACCGTATGTCTGCTCTGAGTGCAACCAGC
 TGTATGGATCACTGGAAGAGGTGCTTATGCACCAAACTCCCACGTGCCCCAGCAGCACTTTGAGCTGGT
 GGGCGTGGCTGATCCCGAGTCACTGTGGCCACAGACACAGCTTCAGGCACGGGCCCTCTATCAGACCCTT
 GTGCAGGAGAGCCAGTACCAGTGCCTGGAGTGTGGTCAACTGCTGATGTCACCCAGCCAGCTCCTGGAGC
 ACCAGGAGCTGCACCTGAAGATGATGGCACCCAGGAGGCAGTCCAGCTGAGCCATCACCTAAGGCACC
 ACCCTGAGCTCCAGCACCATCCACTACGAGTGTGTGGATTGCAAGGCTCTCTTTGCCAGCCAGGAGCTC
 TGGCTGAACCACCGCAGACGCACCTCCGGGCCACACCCACCAAGGCTCCTGCCCTGTTGTCTGGGGT
 CCCCAGTTGTTCTAGGGCTCCTGTGGCCAGGCCGAGTGGCTGTGGAGCACTCATACCGAAAGGCAGA
 AGAGGGTGGGGAAGGGGCGACTGTCCATCTGCCGCTGCCACCACCACTGAGGTAGTGACTGAGGTGGAG
 CTGCTCCTCTACAAGTGTCTGAGTGTCCAGCTCTCCAGCTGCCGGCGGATTCCTGGAGCACCAGG
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 ACCTGCAGAGGTGCCTGTGTCTCAGCCTGACCCCTTGCCAGCTTCTGACCACAGTTACGAGCTGCCAAT
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 CCTGCGGAGTCAACGGGAGGGCGTCTTAAGTGCCCTGTGCAGTGTGCTTCCCTAGCCCTCCAGT
 CTGGACCAGCACCTTGGAGACCATAGCAGCGAGTCAACACTTCTGTGTAGACTGTGGCCTGGCCTTCG
 GCACAGAGGCCCTCCTCCTGGCCACCGCGAGCCACACCCCGAATCCTCTGCATTCATGTCATGTCATG
 GAAGACCTTTGTCAACCTTACCAAGTTCCTTTATCACCGCGTACTCATGGGGTAGGGGGTGTCCCTCTG
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 TGCGCACACACAGGGGAGCGGCCCTTCCCTGCCCTGACTGCTCAAGCCCTCAACTCACCTGCCAA
 CCTGGCCCGCCACCGCTCACACACACAGGAGAGCGGCCCTACCGGTGTGGGACTGTGGCAAGGCTTTC
 ACGCAAAGCTCCACTGAGGCAGCACCGCTTGGTGCATGCCAGCACTCCCCTACCGCTGCCAGGAAT
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 CAAGTGTGCGAGTGCACCCGCTCCTTCTGTGCGTGGCTGCTGGAGGTGCACCAGCTCGTGGTCCAT
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 CTCAGTGTCTGACTGCAGGCACACGAGGCGGCCATGCAGTGTGGCCTGGAGAGGTCTGGTAAG
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 CGCAAGACCCATCAGCAGCAGCATCAGGCAGCTGTGCGGCAGCAGCTGGCAGAGGCGGAGGCTGCCGTTG
 GCCTGGCCGTATGGAGACTGCTGTGGAGGCGCTACCCCTGGTGGAAAGCCATTGAGATCTACCCTCTGGC
 CGAGGCTGAGGGGTCCAGATCAGTGGC

ACGCGTACGCGGCCGCTCGAG - GFP Tag - GTTTAA

Protein Sequence: >RG200837 representing NM_022752
Red=Cloning site Green=Tags(s)

MTEESEETVLYIEHRYVCSECNQLYGSLEEVLHMHNHVPQQHFELVGVADPGVTVATDTASGTGLYQTL
VQESQYQCLECGQLLMSPSQLLEHQELHLKMMAPQEAVPAEPSKAPPLSSSTIHYECVDCALFASQEL
WLNHRQTHLRATPKAPVVLGSPVVLGPPVVGQARVAVEHSYRKAEEGGEGATVPSAAATTEVVTVEVE
LLLYKCSECSQLFQLPADFLEHQATHFPAPVPESQEPALQQEVQASSPAEVPVSPQDPLPASDHSYELRN
GEAIGRDRRRRRARRNNSGEAGGAATQELFCSACDQLFLSPHQLQQHLRSHREGVFKCPLCSRVPFSPSS
LDQHLGDHSSSESHFLCVDCLAFGTEALLLAHRRHTPNPLHSCPCGKTFVNLTKFLYHRRTHGVGGVPL
PTTPVPPEEPVIGFPEPAPAETGEPEAPEPPVSEETSAGPAAPGTYRCLLCSREFGKALQLTRHQRFVHR
LERRHKCSICGKMFKKKSHVRNHLRTHGERPFPDCKSPFNSPANLARHRLTHTGERPYRCGDCGKAF
TQSTLRQHRLVHAQHFYRCQECGVRFRHPYRLLMHRYHHTGEYPYKCRECPRSFLRLLELVHQLVH
AGRQPHRCPCGAAFPSSLRLREHRCAAAAAQPARRFECGTCGKKVGSAAARLQAHEAAAAAGPGEVLAK
EPPAPRAPRATRAPVASPAALGSTATASPAAPARRRGLECSCKLFFSTETSLQVHRRHTGERPYPCPD
CGKAFRQSTHLKDHRRLLHTGERPFACEVCGKAFISMRLAEHRRHTGERPYSCPDCGKSYRSFNLWKH
RKTHQQHQAAVRQQLAEAEAAVGLAVMETAVEALPLVEAIEIYPLAEAEVQISG

TRTRPLE - GFP Tag - V

Restriction Sites:

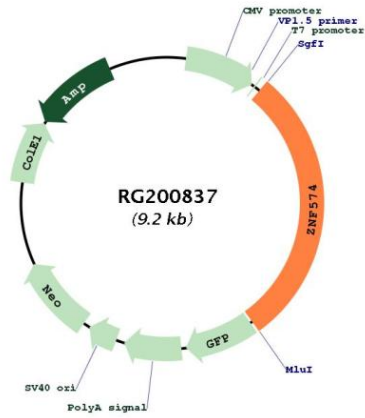
SgfI-MluI

Cloning Scheme:



ACCN:	NM_022752
ORF Size:	2688 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_022752.6
RefSeq Size:	3606 bp
RefSeq ORF:	2691 bp
Locus ID:	64763
UniProt ID:	Q6ZN55
Cytogenetics:	19q13.2
Domains:	zf-C2H2
Gene Summary:	May be involved in transcriptional regulation.[UniProtKB/Swiss-Prot Function]

Product images:



Circular map for RG200837