

## Product datasheet for **RG238819**

### ZCCHC7 (NM\_001289121) Human Tagged ORF Clone

#### Product data:

Product Type:	Expression Plasmids
Product Name:	ZCCHC7 (NM_001289121) Human Tagged ORF Clone
Tag:	TurboGFP
Symbol:	ZCCHC7
Synonyms:	AIR1; HSPC086
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-AC-GFP (PS100010)
E. coli Selection:	Ampicillin (100 ug/mL)



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**ORF Nucleotide Sequence:**

>RG238819 representing NM\_001289121.  
 Blue=ORF Red=Cloning site Green=Tag(s)

```
GCTCGTTTAGTGAACCGTCAGAATTTTGTAAACGACTCACTATAGGGCGGCCGGGAATTCGTGCGACTG
GATCCGGTACCGAGGAGATCTGCCGCCCGCATCGCC
ATGTTTGGTGGCTATGAGACTATAGAAGCATACGAAGATGATCTTTATCGAGATGAGTCATCTAGTGAA
CTGAGTGTGATAGTGAGGTGGAATTTCAACTCTATAGCCAAATTCATTATGCCCAAGATCTTGATGAT
GTCATCAGGGAGGAAGAGCATGAAGAAAAGAACTCTGGGAATTCGGAATCTTCGAGTAGTAAACCAAT
CAGAAGAAGCTAATCGTCCTTTTCAGATAGTGAGGTCATCCAGCTGTCAGATGGGTGAGAGGTCATCACT
TTGTCTGATGAAGACAGTATTTATAGATGTAAGGAAAGAATGTTAGAGTTCAAGCACAAGAAAATGCC
CATGGTCTTTCTTCTTCTTCAATCTAATGAGCTGGTTGATAAGAAATGCAAGAGTGATATTGAGAAG
CCTAAATCTGAAGAGAGATCAGGTGTAATCCGAGAGGTCATGATTATAGAGGTCAGTTCAAGTGAAGAG
GAAGAGAGCACCATTTCAGAAGGTGATAATGTGAAAGCTGGATGCTACTGGGATGTGAAGTAGATGAT
AAAGATGATGATCCTTCTCAACCTTGTGGGATGTGAAAACCTGTTACTGAAGGAGAAGATGGTATA
AACTGGTCCATCAGTGACAAAGACATTGAGGCCAGATAGCTAATAACCGAACACCTGGAAGATGGACC
CAGCGGTACTATTCAGCCAAACAAAACATTATCTGTAGAAATTTGACAAACGTGGTCATTTATCAAAA
AACTGCCCTTACCACGAAAAGTTCGTGCTGCTTCTGTGCTCCAGGAGAGGACATCTCCTGTATTCC
TGTCCAGCCCCCTTTGCGAATACTGTCCTGTGCCTAAGATGTTGGACCACTCATGTCTTTTCAGACAT
TCCTGGGATAAACAGTGTGACCGATGTCATATGCTAGGCCACTATACAGATGCTTGACAGAAAATCTGG
AGGCAGTATCACCTAACGACCAACCTGGACCACCCAAAAAGCCGAAGACCCCTTCAAGACCATCAGCC
TTAGCATATTGCTATCACTGCGCGCAAAAAGGCCATTATGGACACGAATGCCAGAAAGAGAAGTGAT
GACCCGTCTCCAGTATCTCCATTCATCTGCTACTATGATGACAAATATGAAATTCAGGAGAGAAAAAG
AGCTAAAAACAAAAAATAAAAGTACTCAAGAAAAATGGGGTTATCCCAGAGCCATCCAAGTACCTTAT
ATAAAAGCAGCAAAATGAGAACCCCAACCATGATATAAGGAAGGGCCGTGCCTCATGGAAAAGCAACAGG
TGGCCTCAAGAAAATAAAGAAACACAAAAAGAAATGAAGAACAAGAATAGAAACTGGGAGAGCACAGG
AAGGCTGACAGACATCGTGAAGTGGATGAGGATTTTCCAGGGGCCCAAAACCTACTCTTCTCCTGGC
AGTTTTAAACCCAGAAGCCTTCTAAGCCCTTTCACCGTTCATCACATTACCACACGTCAAGAGAAGAC
AAGTCTCCAAGGAAGGCAAGAGGGCAAGCAGAAGAAAAGGAGAGGTGCTGGGAAGATGATGACAAT
GATAACTATTTCTTATTAAGCAGAGAAAAAAAAGTCT
ACGCGTACGCGGCCGCTCGAG - GFP Tag - GTTTAAAC
```

**Protein Sequence:**

>Peptide sequence encoded by RG238819  
 Blue=ORF Red=Cloning site Green=Tag(s)

```
MFGGYETIEAYEDDLYRDESSSELVDSEVEFQLYSQIHYAQDLDDVIREEEHEEKNSGNSSESSSKPN
QKKLIVLSDSEVIQLSDGSEVITLSDEDSIYRCKGKNVRVQAQENAHGLSSSLQSNELVDKCKSDIEK
PKSEERSGVIREVMIIEVSSSEEEESTISEGDNVESWMLLGCVEVDDKDDILLNLVGCENSVTEGEDGI
NWSISDKDIEAQIANNRTPGRWTQRYYSANKNIIICRNCDKRGHLSKNCPLPRKVRRCFLCSRRGHLLYS
CPAPLCEYCPVPKMLDHSCFLRHSWDKQCDRCHMLGHYTDACTEIWRQYHLTTKPGPPKPKTPSRPSA
LAYCYHCAQKGHYGHECPEREVYDPSVSPFICYDDKYEIQEREKRLKQIKVLKKNVIPLEPSKLPY
IKAANENPHHDIRKGRASWKSNRWPQENKETQKEMKNKRNWEKHRKADRHREVDDEFPRGPKTYSSPG
SFKTQKPSKPFHRSSHYHTSREDKSPKEGKRGKQKKKERCWEDDDNDNLFLIKQRKKKS
TRTRPLEMESDESGLPAMEIECRITGTLNGVEFELVGGGEGTPEQGRMTNKMKSTKGALTFSPYLLSHV
MGYGFYHFGTYPSGYENPFLHAINNGGYNTRIEKYEDGGVLHVSFSYRYEAGRVIGDFKVMGTGFPED
SVIFTDKIIRSNAIVEHLHPMGDNDLDGSFTRTFLSLRDGGYSSVVDSSHMHFKSAIHPSILQNGGPMFA
FRRVEEDHSNTELGIVEYQHAFKTPDADAGEERV
```

**Restriction Sites:**

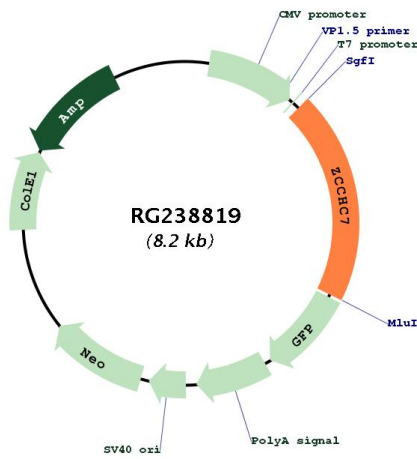
Sgfl-MluI

Cloning Scheme:

Cloning sites used for ORF Shutting:



Plasmid Map:



<b>ACCN:</b>	NM_001289121
<b>ORF Size:</b>	1626 bp
<b>OTI Disclaimer:</b>	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. <a href="#">More info</a>
<b>OTI Annotation:</b>	This clone was engineered to express the complete ORF with an expression tag. Expression varies depending on the nature of the gene.
<b>Components:</b>	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).
<b>RefSeq:</b>	<a href="#">NM_001289121.1</a> , <a href="#">NP_001276050.1</a>
<b>RefSeq Size:</b>	2846 bp
<b>RefSeq ORF:</b>	1632 bp
<b>Locus ID:</b>	84186
<b>UniProt ID:</b>	<a href="#">Q8N3Z6</a>
<b>Cytogenetics:</b>	9p13.2
<b>Protein Pathways:</b>	RNA degradation
<b>MW:</b>	62.9 kDa