

## Product datasheet for **RG208169**

### ZC3H7A (NM\_014153) Human Tagged ORF Clone

#### Product data:

Product Type:	Expression Plasmids
Product Name:	ZC3H7A (NM_014153) Human Tagged ORF Clone
Tag:	TurboGFP
Symbol:	ZC3H7A
Synonyms:	HSPC055; ZC3H7; ZC3HDC7
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-AC-GFP (PS100010)
E. coli Selection:	Ampicillin (100 ug/mL)



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**ORF Nucleotide Sequence:**

>RG208169 representing NM\_014153  
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC  
 GCC**CGGATCGCC**

ATGTCCAATGTGTCCGAGGAGAGAAGAAAAAGGCAGCAGAACATTAAGGAAGGACTGCAGTTTATACAGT  
 CACCGCTGCATATCCAGGAACACAGGACAATATGCGGTATATTTGCGTGCTCTCGTGAGAAATCTTTT  
 TAATGAAGGAAATGACGTTTATCGGGAACATGATTGGAACAACCTCGATAAGCCAGTACACGGAAAGCCTTG  
 AATATAGCTGATTATGCAAAATCTGAAGAAATTTTAAATCCCAAAGAAATAATTGAAAACTATATATAA  
 ATCGTATTGCCTGCTATTCTAATATGGGTTTCCATGATAAAGTTTGGAGGACTGCAATATAGTCCCTCAG  
 TTTAAATGCCAGTAACTGCAAAGCTCTGTATCGGAAATCTAAGGCTTTAAGTGATTTAGGAAGATACAAA  
 AAGGCTTACGATGCTGTAGCAAAGTCTCCTTAGCAGTGCCTCAGGATGAGCATGTAATAAACTAACTC  
 AAGAACTAGCTCAGAAATGGGATTTAAAATAAGAAAAGCGTATGTCAGAGCTGAGCTCTCATTAAATC  
 AGTTCCCTGGGGATGGGGCTACCAAGGCTTTGAACCATTCTGTGGAAGATATTGAGCCAGATTTATTA  
 CCAAGGCAAGAAGCAGTTCTGTGTCTTTACCGGCACCCAGTTTTTCTCATGAAGTTGGAAGTGAGC  
 TGGCCTCAGTTCCTGTTATGCCCTTAACTTCTATTTTGCCACTACAAGTGAAGAGAGCGCTCTGCCATC  
 TGCAGTGTGGCAAAATGGAGGAAAGATGCCCTTCACTATGCCAGAAGCTTTTCTAGATGATGGAGATATG  
 GTCCTTGGAGATGAACTAGATGACCTGCTTGTATCTGCACCTGAAACTAATGAACTGTTATGCCGTGAG  
 CTTTAGTCAGAGGACCCCTTTCAGACAGCCAGTGTCTCTCTAGCATGCCCTTTTCGGCATCGCTGTTAGG  
 AACCTTACCCATTGGTGCAGGTATGCTCCTCCACCCTCCTTCTCAGAAATTTATCCACCTTTGACTTCA  
 TCCTTAGAAGATTTTTGTTCTTCTTAAATTCATTTTCAATGAGTGAATCCAAACGAGATCTGTCCACCT  
 CAACTCTAGAGAGGGAACACCGCTTAAACAACAGTAATTTCCCTTTTACTTATGAATGGACAGGTAG  
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 AAGCTTGCAGATCTGTTTTGTAATAATCAGGCCCTAAGTTAATGGATTTCACTTACCATGCTAACATAGA  
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 GTGCCCTTGTCCACATTTTGCAGAGACAACAGTAAAACTCCAAAATACGTTCTTTTTCATGGTCAAGTGT  
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 AGTGATGTCTATTGAACGTAAGAAGTGGATGAACATCCGTCCTCTCCCAAAAGAAACAAATGCCTTTA  
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 GGAAAAACAAATTCACATGCCAACAGATTATGCTGAAGTTACAGTGGACTTCACTGCTGGATGTGTGGGA  
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 CACCGAGGACGACCAGTACTGCTGGCAGCACCGCTTCCCAACAGGCTATTTCAAGTATTTGTGATAGGTAT  
 ATGAATGGCACCTGCCAGAAGGAAACAGCTGTAATTTGCACATGGAATGCCGAACCTCATGAATGGG  
 AAGAAAGAAGAGATGCCCTAAAGATGAAGCTCAACAAAGCACGAAAAGATCACTTAATTGGCCAAATGA  
 TAATGACTTTGGAAAATATAGTTTTTTGTTAAAGATTTAAAC

**ACGCGT**ACGCGGCCGCTCGAG – GFP Tag – GTTTAA

**Protein Sequence:** >RG208169 representing NM\_014153  
Red=Cloning site Green=Tags(s)

MSNVSEERRKRQQNIKEGLQFIQSPLSYPGTQEYAVYLRLVRNLFNEGNDVYREHDWNNISQYTEAL  
 NIADYAKSEEILIPKEIEKLYINRIACYSNMGFHDKVLEDCNIVLSLNASNCKALYRKSALSDLGRYK  
 KAYDAVAKCSLAVPQDEHVIKLTQELAQKLGFKIRKAYVRAELSLKSVPGDGATKALNHSVEDIEPDLT  
 PRQEAVPVVSLPAPSF SHEVGSSELASVPV MPLTSILPLQVEESALPSAVLANGGKMPFTMPEAFLLDDGDM  
 VLGDELDDLLDSAPETNETVMPSALVRGPLQTASVSPSPMPFSASLLGTLPIGARYAPPPSSEFYPLT  
 SLEDFCSSLSNSFSMSESKRDLSTSTSREGTPLNNSNSLLLMNGPGSLFASENFLLGISSQPRNDFGFFG  
 SAVTKPSSSVTPRHPLEGTHELRQACQICFKSGPKLMDFTYHANIDHKCKKDILIGRIKNVEDKSWKKI  
 RPRPTKTYEGPYYICKDVAEEEECRYSGHCTFAQCQEEIDVWTLERKGFASREAFFGGNGKINLTVFKL  
 LQEHLEGEFIFLCEKCFDHPKPRMISKRNDNSTACSHPVTKHEFEDNKCLVHILRETTVKYSKIRSFHGQC  
 QLDL CRHEVRYGCLREDECFYASHLVELKVMQNETGISHDIAAQESKRYWQNLEANVPGAQVLGNQIM  
 PGFLNMKIKFVCAQCLRNGQVIEPDKNRKYCSAKARHSWTKDRRAMRVMSIERKKWMMNIRPLPTKKQMP  
 QFDLCNHIASGKKCQYVGNCSFAHSPEEREVWTYMKENIQDMEQFYELWLKSQKNEKSEDIASQSNKEN  
 GKQIHMPDYAEVTVDFHCWMCCKNCSEKQWQGHI SSEKHKEKVFHTEDDQYCWQHRFPPTGYFSICDRY  
 MNGTCPEGNSCKFAHGNAELHEWEERRDALKMKLNKARKDHLIGPNDNDFGKYSFLFKDLN

TRTRPLE – GFP Tag – V

**Restriction Sites:**

SgfI-MluI

**Cloning Scheme:**

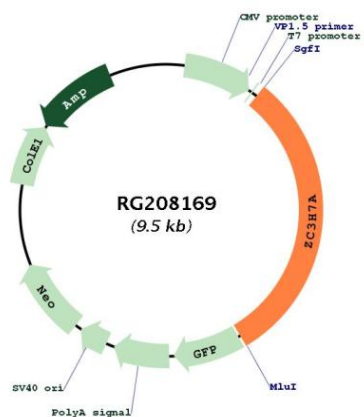


**ACCN:** NM\_014153

**ORF Size:** 2913 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>Reconstitution Method:</b>	<ol style="list-style-type: none"> <li>1. Centrifuge at 5,000xg for 5min.</li> <li>2. Carefully open the tube and add 100ul of sterile water to dissolve the DNA.</li> <li>3. Close the tube and incubate for 10 minutes at room temperature.</li> <li>4. Briefly vortex the tube and then do a quick spin (less than 5000xg) to concentrate the liquid at the bottom.</li> <li>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.</li> </ol>
<b>RefSeq:</b>	<a href="#">NM_014153.4</a>
<b>RefSeq Size:</b>	3817 bp
<b>RefSeq ORF:</b>	2916 bp
<b>Locus ID:</b>	29066
<b>UniProt ID:</b>	<a href="#">Q8IWR0</a>
<b>Cytogenetics:</b>	16p13.13
<b>Domains:</b>	zf-CCCH
<b>Gene Summary:</b>	May be a specific regulator of miRNA biogenesis. Binds to microRNAs MIR7-1, MIR16-2 and MIR29A hairpins recognizing the 3'-ATA(A/T)-5' motif in the apical loop.[UniProtKB/Swiss-Prot Function]

Product images:



Circular map for RG208169