

Product datasheet for **RG208584**

ZNHIT2 (NM_014205) Human Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	ZNHIT2 (NM_014205) Human Tagged ORF Clone
Tag:	TurboGFP
Symbol:	ZNHIT2
Synonyms:	C11orf5; FON
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-AC-GFP (PS100010)
E. coli Selection:	Ampicillin (100 ug/mL)
ORF Nucleotide Sequence:	>RG208584 representing NM_014205 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCC**CGATCGC**

ATGGAGCCGGCCGGGCCCTGTGGCTTCTGCCGGCGGGGAGGTCCAGCCAGCGCGTTACACCTGCCCTC
GCTGTAATGCGCCTACTGCTCGCTGCGCTGCTACCGGACGCATGGCACCTGCGCAGAAACTTCTACCG
TGACCAAGTGCTGGGAGAGCTCCGCGTTGCAGCGCTCCTCCAGCCGCCTAGCAAGCGCCCTACGCCGG
CTGCGTCAGCAACGCGAGACCGAGGACGAGCCTGGGAAGCAGGCCTCAGCTCCGCCCGCGCCCGCGG
GCCTATCGGGACTCTGGGAGCGCTGGCGCCGGCGGAAAAAGCTGCCTTCGAGCGGCTGCTGAGCCGCG
TGAGGCCGGCGGCTGCTGCCTCCATGGCGGCCGTGGTGGTGGAACCGCGAGCCGACCGAGCTTCTG
GAGGAGCTGGATAATGCCCGGGTAGTGACGCCGCGGAGCTGGAGCTCGCCCTGCGAGGACCCCGCGG
ATTCTGTGAAAGATGCCTCCGCCGCGGAGCCCGCGGCCGCGAGCGGTTCTTGGAGATGTCCCGGGGGC
CTGCACGCCCCTCGTACCCACCCGCATCCCGCGATAGTCAGCCTGAGCCGCGGCCAGTCTCGCCGCTC
GTGCGCTTCCAGTGCCTAATGTGCTGTTGCGCTACGCGCATACTCTCGCCCTGTATCACGGCGGTGACG
ACGCGTGCTCTCTGACTTCTGTGCCACACTGCTCGGCGTTTCCGGAGCCCTGGGTGCCAGCAAGTCTT
CGCCTCTGCGGAAGAAGCCCTGCAGGCGGCAGCCACGTGCTGGAAGCAGGCGAGCACCCGCCGGGGCCC
CTGGGCACACGAGGGGCTATGCACGAGGTGCCCCGCATCCTGCTGGGCGAGGGCCCGACCAACAGAAAG
GCTACACGCTGGCAGCACTGGGGGACCTGGCACAGACCCCTGGGCCGTGCCGGAACAGGCCGTGGCTAG
AGAAGAGCGAGATCATCTTTACCGGGCCCGGAAAAAGTGCCAGTTCTCTGCGCTGGACCAACGAAAT
GAGGCGGCCCTCACACCCTGGCTCTAGACTGCGCCAGGGCTCACCAAGCCCATGCTGTGGTAGCCGAGG
AGGTGGCCGCCCTCACTGGGAGCTGGAGCGGCTTTGGGAGGCCCCGTGCCACCTGCCCAAGAACTCT
CATTGAGGAGCTCCCTAGC

ACGCGTACGCGGCCGCTCGAG - GFP Tag - GTTTAA



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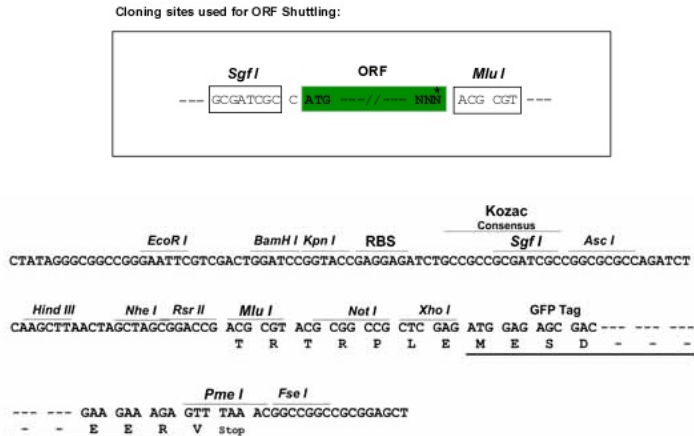
Protein Sequence: >RG208584 representing NM_014205
 Red=Cloning site Green=Tags(s)

MEPAGPCGFCPAGEVQPARYTCPRCNAPYCSLRCYRTHGTCAENFYRDQVLGELRGCSAPPSRLASALRR
 LRQORETEDEPGEAGLSSGPAPGGLSGLWERLAPGEKAAFERLLSRGEAGRLPPWRPWWNRGAGPQLL
 EELDNAPGSDAAEELAPARTPPDSVKDASAAEPAAAERVLGDVPGACTPVVPTRIPAIVSLSRGPVSPL
 VRFQLPNVLFAYAHTLALYHGGDDALLSDFCATLLGVSGALGAQQVFASAEALQAAHVLEAGEHPPGP
 LGTRGAMHEVARILLGEGPTNQKGYTLAALGDLAQTLGRARKQAVAREERDHLRYARKKCQFLLAWTNEN
 EAALTPLALDCARAHQAHAVVAEEVAALTGELERLWGGPVPPAPRTLIEELPS

TRTRPLE – GFP Tag – V

Restriction Sites: SgfI-MluI

Cloning Scheme:



ACCN: NM_014205

ORF Size: 1209 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:

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_014205.2](#), [NP_055020.1](#)

RefSeq Size: 1321 bp

RefSeq ORF: 1212 bp

Locus ID: 741

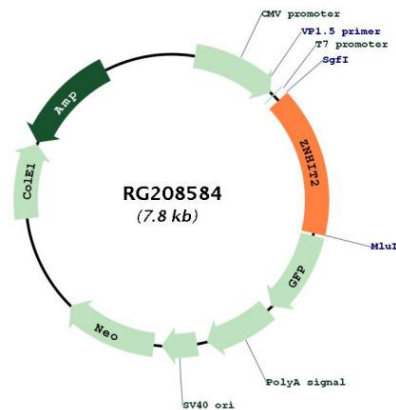
UniProt ID: [Q9UHR6](#)

Cytogenetics: 11q13.1

Domains: zf-HIT

Gene Summary: May act as a bridging factor mediating the interaction between the R2TP/Prefoldin-like (R2TP/PFDL) complex and U5 small nuclear ribonucleoprotein (U5 snRNP) (PubMed:28561026). Required for the interaction of R2TP complex subunit RPAP3 and prefoldin-like subunit URI1 with U5 snRNP proteins EFTUD2 and PRPF8 (PubMed:28561026). May play a role in regulating the composition of the U5 snRNP complex (PubMed:28561026). [UniProtKB/Swiss-Prot Function]

Product images:



Circular map for RG208584