

Product datasheet for **RG222645**

ZNF498 (ZSCAN25) (NM_145115) Human Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	ZNF498 (ZSCAN25) (NM_145115) Human Tagged ORF Clone
Tag:	TurboGFP
Symbol:	ZSCAN25
Synonyms:	ZNF498
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-AC-GFP (PS100010)
E. coli Selection:	Ampicillin (100 ug/mL)



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ORF Nucleotide Sequence:

>RG222645 representing NM_145115
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**GCGATCGCC**

ATGCTTAAAGAGCATCCAGAGATGGCGGAAGCTCCTCAGCAGCAGTTGGGTATTCCTGTGGTGAACTGG
 AGAAAGAGTTGCCATGGGGCAGAGGAAGGGAGGACCCTAGTCCAGAGACTTTTCGGCTGAGGTTTCGGCA
 GTTCCGCTACCAGGAGGCAGCTGGACCCAGGAAGCTCTTAGGGAGCTCCAGGAGCTCTGTCGTCGGTGG
 CTGAGGCCCGAGTTGCACACCAAGGAGCAGATCCTGGAGCTGCTGGTGGTGGAGCAGTTCCTCACTATCC
 TGCCCCGCGAGTTCTACGCCTGGATCCGGGAGCATGGCCAGAGAGTGGCAAGGCCCTGGCCGCCATGGT
 GGAGGACCTGACAGAAAGAGCACTGGAGGCCAAGGCGTTCCATGCCACAGGCAGGGAGAGCAGGAGGAA
 ACAGCACTTTCAGAGGCGCTTGGGAGCCAGGCATCCAGCTGGGGCCAGTGGAGGTCAAGCCTGAATGGG
 GGATGCCCCCTGGGAAGGAGTCAAGTCCAGACCCAGGTACCGAGGAGCAGCTCAGTCAGGACCCTGG
 AGATGAGACACGGGCCTCCAGGAGCAAGCACTACCTGTTCTGCAGGCGGGTCTGGCCTCCCCGAGTG
 AATCCCAGAGACCAAGAGATGGCAGCTGGGTCTTTACTGCTGGATCGCAGGGGTTGGGGCCATTTAAAG
 ATATGGCCCTGGCCTTCCCTGAGGAGGAGTGGAGGCATGTGACCCAGCCAGATAGACTGCTTTGGGGA
 GTATGTGGAACCGCAGGACTGCAGGGTCTCTCCAGGCGGTGGGAGCAAGGAAAAGGAGGCAAAACCCCA
 CAGGAAGACCTGAAAGGGGCGCTGGTGGCACTGACATCAGAGAGGTTTGGGAAGCCTCTCTCCAGGGCC
 CTGGGCTCGGAAGGGTCTGTGAGCAGGAGCCTGGTGGCCCTGCAGGCAGTGCCTGGGCTTCTCTCTCC
 CCAGCACGGTGCATCCCCCTGCCTGACGAAGTCAAAACCCACAGCTCCTTCTGGAAGCCTTTCAGTGC
 CCTGAGTGTGGAAAGGATTTCAGTCCGAGCTCCAATCTCGTCAGGCACCAGCAACCCACGAAGAGAAT
 CTTATGGCTGTGTGGAGTGTGGGAAGGGCTTTACCTGAGAGAATACCTGATGAAGCACCAGAGAACCCA
 CCTGGGAAAGAGCCCTACGTGTGCAGCGAGTGTGAAAACCTTCAGCCAGAGACACCACCTGGAGGTG
 CACCAGCGCAGCCACACTGGGGAGAAGCCCTACAAGTGCGGGGACTGCTGGAAGAGCTTCAGCCGAGGC
 AGCACCTGCAGGTGCACCGGAGGACGCACACCGGGGAGAAGCCCTACACCTGCGAGTGTGGCAAGAGCTT
 CAGCAGGAATGCCAATCTGGCGGTGCACCGGCGTCCACACTGGCGAGAAGCCATATGGGTGCCAGGTG
 TGCGGGAAGCGGTTACAGCAAAGGGGAGCGGCTGGTCCGACACCAGAGAATCCATACAGGGGAGAAGCCCT
 ACCACTGTCTGCCTGCGGGCGAAGCTTCAACCAGAGTCCATCCTCAACCGGCACCAGAAGACCCAGCA
 CCGCCAGGAGCCGCTGGTGCAG

ACGCGTACGCGGCCGCTCGAG – GFP Tag – GTTTAA

Protein Sequence:

>RG222645 representing NM_145115
 Red=Cloning site Green=Tags(s)

MLKEHPMAEAPQQQLGIPVVKLEKELPWGRGREDPSPETFRLRFRQFRYQEAAGPQEALRELQELCRRW
 LRPELHTKEQILELLVLEQLTILPREFYAWIREHGPESGKALAAAMVEDLTERALEAKAVPCHRQGEQEE
 TALCRGAWEPGIQLGPVEVKPEWMPPEGVQGPDPGTEEQLSQDPGDETRAFQEALPVLQAGPGLPAV
 NPRDQEMAAGFFTAGSQGLGPFKDMALAFPEEWRHVTPAQIDCFGEYVEPQDCRVSPGGGSKKEAKPP
 QEDLKGALVALTSERFGEASLQGPGLGRVCEQEPGGPAGSAPGLPPPQHGAIPLPDEVKTHSSFVKPFQC
 PECGKGFSSNNLVRHQRTHEEKSYGCVCEGKGFTLREYLMKHQRTHLTKRYPVCSECWKTFVSRHHLEV
 HQRSHTGEKPYKCGDCWKSFSRRQHLQVHRRHTGKPYTCECGKFSRNANLAVHRRRAHTGKPYGCQV
 CGKRFSGERLVRHQRIHTGKPYHCPACGRSFNQRSILNRHQKQHRQEPLVQ

TRTRPLE – GFP Tag – V

Restriction Sites:

Sgfl-MluI

ACCN:	NM_145115
ORF Size:	1632 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_145115.3
RefSeq Size:	4359 bp
RefSeq ORF:	1635 bp
Locus ID:	221785
UniProt ID:	Q6NSZ9
Cytogenetics:	7q22.1
Domains:	zf-C2H2
Protein Families:	Transcription Factors
Gene Summary:	This gene encodes a protein that bears some similarity to zinc finger proteins, which are involved in DNA binding and protein-protein interactions. Multiple alternatively spliced transcript variants have been identified, but the full-length nature for most of them has not been determined. [provided by RefSeq, Jul 2008]