

Product datasheet for **RG229273**

ZFP57 (NM_001109809) Human Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	ZFP57 (NM_001109809) Human Tagged ORF Clone
Tag:	TurboGFP
Symbol:	ZFP57
Synonyms:	bA145L22; bA145L22.2; C6orf40; TNDM1; ZNF698
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-AC-GFP (PS100010)
E. coli Selection:	Ampicillin (100 ug/mL)



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ORF Nucleotide Sequence:

>RG229273 representing NM_001109809
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**GCGATCGCC**

ATGTTTGAACAGCTGAAGCCAATCGAACCTGTACAGAAGACGCTCCCATGGGTGGGCGAGGTAGCTGCCA
 CCCTGCAGGAAGCCATGAAGAGAGATTGCTGGAGGGAGGCACGGGTGAAGAAGAAGCCAGTCACCTTTGA
 GGATGTGGCAGTGAATTTACCCAGGAAGAGTGGGACTGTCTAGATGCCAGCCAGAGGGTCTTTTACCAG
 GATGTTATGTCGGAACCTTTAAGAATCTAACATCTGTGGCCAGAATCTTTCTGCATAAGCCAGAGCTAA
 TCACCAAGCTTGAGCAAGAAGAGGAACAGTGGAGAGAGTTGTCCATCTCCCAAACACAGAAGGCCCTTTC
 AGAAGGCAAGAAGAAAGAGCTTCGAGAACAACATCCCAGTCTGAGAGATGAGGGGACTAGTGATGACAAG
 GTCTTCTTGCATGCAGAGGGGCCGCCAGTCCCCCTATCTGCCCCAGCTGGGACTATGGACAGGACCC
 GGGTGCTCAAGCATCCCAGGCTGGGCCACCCTTTTTTGTACACCTGTGGCAAATGTTTCAGCAGGCG
 CTCTACCTCTATAGCCACCAGTTTGTTCACAATCCCAAGCTGACTAACAGCTGCAGTCAGTGTGGGAAG
 TTGTTTCGGAGCCCAAGTCCCTCAGCTATCACAGACGCATGCATCTGGGGAGAGGCCCTTCTGTTGCA
 CGCTCTGTGACAAGACCTACTGTGATGCTTCTGGACTAAGTCGTACCGCCGCGTCCATCTGGGTTACCG
 GCCCATTATGCTCTGTGTGTGGGAAGAGCTTCCGGGACCAGTCTGAGCTCAAACGCCACCAGAAGATA
 CACCAAAACCAGGAGCCAGTGGATGGAACCAGGAGTGTACTTTGAGGATTCAGGCACCAGGCTGAAT
 TCCAGACACCCATCGCCAGAAGCCAGAGTCCATCCAGGGGCTTTTGGATGTGAACCATGCACCAGTGGC
 CAGGTCCCAGGAACCCATATTTAGAAGTGAAGGTCCTATGGCCCAGAACCAGGCATCTGTACTTAAGAAC
 CAAGCACCTGTGACCAGGACCCAGGCACCCATCACTGGAACCCCTGTGTCAGGATGCCAGATCCAACCTCTC
 ATCCAGTGAAGCCCTCAAGACTCAATGTCTTCTGTTGCCCCATTGTTCTTTGACTTTTAGCAAGAATC
 CTATCTCTCCAGACACCAGAAGGCCACCTCACAGAGCCGCCAACTACTGCTTCCATTGCAGCAAGTCT
 TTCAGCTCATTTTCCAGGCTGGTCAGACACCAGCAGACCCACTGGAAGCAGAAGAGCTACCTTTGCCCTA
 TCTGTGACCTCTCTTTGGGAGAAAGAGGGCCTTATGGATCACTGGAGGGGCTATAAAGGCAAGGACCT
 GTGCCAGAGCAGCCACCAATAATGCCGGGTGATCCTGGGCCAGTGGCTTGGCTTCTCATGATGTCCCC
 ACTATGGCTGGGAGGAATGGAAGCATGGAGGTGATCAATCTCCCCCAGGATCCATACCCCCAGGAGAA
 GAGGCCTAAGAGAGAAGGCTGCAAAGGAGACAAAACAAAGGAGGCAGTGAGCATCTTGAACATAAA

ACGCGTACGCGGCCGCTCGAG – GFP Tag – GTTTAA

Protein Sequence:

>RG229273 representing NM_001109809
 Red=Cloning site Green=Tags(s)

MFEQLKPIEPVQKTLPWVGEVAATLQEAMKRCWREARVKKKPVTFEDVAVNFTQEEWDCLDASQRVLYQ
 DVMSETFKNLTSVARIFLHKPELITKLEQEEEQWREFVHLPNTEGLSEGKKKELREQHPSLRDEGTSDDK
 VFLACRGAGQCPLSAPAGTMDRTRVLQASQAGPPFFCYTCGKCFSRRSYLYSHQFVHNPKLTNSCSQCGK
 LFRSPKLSYHRRMHLGERPFCCTLCDKTYCDASGLSRHRRVHLGYRPHSCSVCGKSFDRQSELKRHQKI
 HQNQEPVDGNQECTLRIPGTQAEFQPIARSQRSIQGLLDVNHAPVARSQEPIFRTEGPMANQASVLKN
 QAPVTRTQAPITGTLCDARSNSHPVKPSRLNVFCCPHCSLTFSKKSYLSRHQKAHLTEPPNYCFHCSKS
 FSSF SRLVRHQQTHWKQKSYLCPICDL SFGEKEGLMDHWRGYKGDLCQSSHHKCRVILGQWLGFSHDVP
 TMAGEEWKHGGDQSPPRIHTPRRRGLREKACKGDKTKEAVSILKHK

TRTRPLE – GFP Tag – V

Restriction Sites:

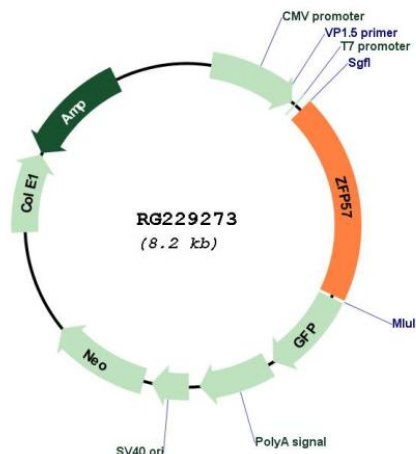
Sgfl-MluI

Cloning Scheme:

Cloning sites used for ORF Shutting:



Plasmid Map:



ACCN:	NM_001109809
ORF Size:	1608 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_001109809.5
RefSeq Size:	1870 bp
RefSeq ORF:	1611 bp
Locus ID:	346171
UniProt ID:	Q9NU63
Cytogenetics:	6p22.1
Protein Families:	ES Cell Differentiation/IPS
Gene Summary:	The protein encoded by this gene is a zinc finger protein containing a KRAB domain. Studies in mouse suggest that this protein may function as a transcriptional repressor. Mutations in this gene have been associated with transient neonatal diabetes mellitus type 1 (TNDM1). [provided by RefSeq, Sep 2009]