

Product datasheet for **MG221705**

Zscan4b (NM_001185173) Mouse Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Zscan4b (NM_001185173) Mouse Tagged ORF Clone
Tag:	TurboGFP
Symbol:	Zscan4b
Synonyms:	EG665780
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-AC-GFP (PS100010)
E. coli Selection:	Ampicillin (100 ug/mL)



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ORF Nucleotide Sequence:

>MG221705 representing NM_001185173
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGCATCGC**

ATGGCTTCACAGCAGGCACCAGCAAAAGACCTTCAGACCAACAATTTAGAGTTTACTCCTCACTGATAGTT
 CTGGTGTGCACTGGGAGAGACATCTCTAACTACCAAGTGCTCAGCTAACTTTCCCAAGTAACAA
 TGGCTGTGGGCACTCAGGAGCTGCAAGTCTCTGGAAGATGTTCAACTCCTGGTTGCAGCCAGAAAAG
 CAGACTAAGGAGCAGATGATTTCTCAATTGGTCTTGGAGCAGTTTCTCCTCACTGGGCACTGCAAGGACA
 AGTATGCTTTGACAGAGAAGTGGAAAGCCAGTGGTAGCGATATGAGGAGATTCATGGAGAGTCTGACTGA
 TGAGTGTGTAAGCCTCCTGTCATGGTCCATGTTTCAATGCAAGGACAAGAAGCCCTCTTTCTGAAAAC
 ATGCCATTAAGAAGTCATCAAGCTTTTGAACAACAGCAATCTGCAACAAGGCCAATACCAGATAATG
 CACAGATGCCAGTAGACACCACACAAGATAGATTATTGGCCACAGGGCAAGAAAACAGTGAAAATGAATG
 CAACACCTCTTGCAATGCTACTGAAGTAAATGTTGGTGAAGCTGTAGTGAAATGAAAAGGACTCCCTT
 CTTATTACCCAGAAAAGACAAAACCATGAGCATGAAGAGGGGAATGTTGTTTGTCAATTCCTCTCGTGGTG
 CCAGAAGAGCAAGTCAAGACACCTCCAGTCATCATGTAGACTTCCCGAGTGCTCTGACTCCTGCAGATGT
 CCCCATGGAGGAACAACCAATGGATTTATCCAGAGAAAACATCTCTGAGGACAAGAACAATTGCTATAAC
 ACTTCCAGGAATGCAGCTACTCAAGTATATAGTGGTGATAATATCCAGGAACAAGACAGACTCCCTTT
 TCATTAACAAGAGAATATATCATCTGAGCCTGAGGTGGGAGATATTCCTTATGGAGTTCCTCAGGATTC
 TACAAGAGCAAGTCAAGGAACATCTACATGCCTGCAAGAGTCACTTGGGAATGTTTTCTGAAAAGAC
 CCAAGGGAGGTACCAGGTTGCAGTCTAGGCAAGAGCAGCCTATCTCTGATCCTGCTCTGGTAAGAATC
 ATGAGGCAAACTTACCATGTGAAAGTCATCAAAAGAGATTCCATAGAGATGCCAACTATACAAGTGTGA
 AGAATGTTCTAGGATGTTCAAACATGCCAGGAGCCTTTCATCCCACAGAGAACTCACCTGAATAAGAAG
 AGTGAATTGCTTTCATCACCTGTGAGAAAATATTCAAACGAGTTTCTGACCTTGAACCCATGAGATCA
 TACACATGTGAGAAAAGCCTTTCAAGTGCAGCACATGTGAAAAGTCTTCAGCCACAAGACCAACCTGAA
 GTATCATGAGATGATTACACAGGAGAAATGCCTTATGTCTGTTCCCTATGTAGCCGTCGCTTTCGCCAA
 TCATCCACTTACCATCGTCACCTGAGGAATTACCACAGATCTGAC

ACGCGTACGCGGCCGCTCGAG – GFP Tag – GTTTAA

Protein Sequence:

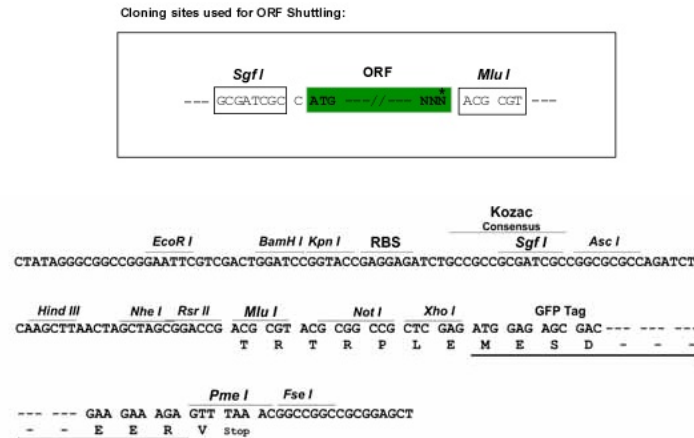
>MG221705 representing NM_001185173
 Red=Cloning site Green=Tags(s)

MASQQAPAKDLQTNLEFTPTDSSGVQWAEDISNSPSAQLNFSNNGCWATQELQSLWKMFNSWLQPEK
 QTKEQMISQLVLEQFLLTGHCKDKYALTEKWKASGSDMRRFMESLTDECLKPPVMVHVMQGEALFSEN
 MPLKEVIKLLKQQSATRPIPDNAQMPVDTTQDRLLATGQENSENECNTSCNATEVNVGESCSGNEKDSL
 LITQKEQNHEHEEGNVVCFPRGARRASQDTSSHVDFPSALTPADVPMEEQPMDSLRENISEDKNNCYN
 TSRNAATQVYSGDNIIPRNKTDLSFINKRIYHPEPEVGDIPYGVPODSTRASQGTSTCLQESLGECFSEKD
 PREVPGLQSRQEQPISDPVLGKNHEANLPCESHQKRFHRDAKLYKCEECSRMFKHARSLSSHQRTHLNKK
 SELLCITCQKIFKRVSRLRTHETIHMSEKPKFCSTCEKSFHKTNLKYHEMIHTGEMPYVCSLCSRRFRQ
 SSTYHRHLRNYHRSD

TRTRPLE – GFP Tag – V

Restriction Sites:

Sgfl-MluI

Cloning Scheme:


ACCN: NM_001185173

ORF Size: 1515 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.

Note: Plasmids are not sterile. For experiments where strict sterility is required, filtration with 0.22um filter is required.

RefSeq: [NM_001185173.1](#), [NP_001172102.1](#)

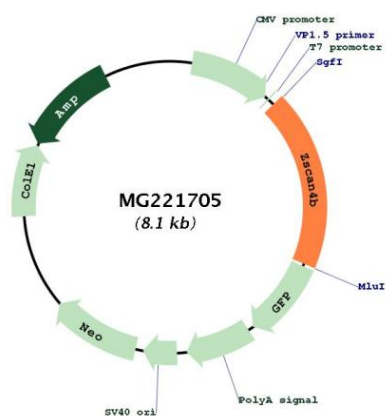
RefSeq Size: 1754 bp

RefSeq ORF: 1518 bp

Locus ID: 665780

Cytogenetics: 7 A1

Product images:



Circular map for MG221705