

Product datasheet for **MG222710**

Zscan4e (NM_001161802) Mouse Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Zscan4e (NM_001161802) Mouse Tagged ORF Clone
Tag:	TurboGFP
Symbol:	Zscan4e
Synonyms:	EG665848
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-AC-GFP (PS100010)
E. coli Selection:	Ampicillin (100 ug/mL)



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ORF Nucleotide Sequence:

>MG222710 representing NM_001161802
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGGATCGC**C

ATGGCTTCACAGCAGGCACCAGCAAAAGACCTTCAGACCAACAATTTAGAGTTTACTCCAAGTATAGTT
 CTGGTGTGCAAGTGGGAGAGACATCTCTAACTACCAAGTGCTCAGCTAACTTTTCCCAAGTAACAA
 TGGCTGTGGGCAACTCAGGAGCTGCAAGTCTCTGGAAGATGTTCAACTCCTGGTTGCAGCCAGAAAAG
 CAGACTAAGGAGCAGATGATTTCTCAACTGGTCTTGGAGCAGTTTCTCCTCACTGGGCACTGCAAGGACA
 AGTATGCTTTGACAGAGAAGTGGAAAGCCAGTGGTAGCGATATGAGGAGATTCATGGAGAGTCTGACTGA
 TGAGTGTGTAAGCCTCCTGTCATGGTCCATGTTTCAATGCAAGGACAAGAAGCCCTCTTTCTGAAAAC
 ATGCCATTAAGAAGTCAAGCTTTTGAACAACAGCAATCTGCAACAAGGCCAATACCAGATAATG
 AGCAGATGCCAGTAGACACCACACAAGATAGATTATTGGCCACAGGGCAAGAAAACAGTGAAAATGAATG
 CAACACCTCTTGAATGCTACTGAAGTAAATGTTGGTGAAGCTGTAGTGAAATGAAAAGGACTCCCTT
 CTTATTACCCAGAAAAGCAAAACCATGAGCATGAAGAGGGGAATGTTGTTTGTCAATTCCTCGTGGTG
 CCAGAAGAGCAAGTCAAGACACCTCCAGTCATCATGTAGACTTCCCGAGTGCTCTGACTCCTGCAGATGT
 CCCCATGGAGGAACAACCAATGGATTTATCCAGAGAAAACATCTCTGAGGACAAGAACAATTGCTATAAC
 ACTTCCAGGAATGCAGCTACTCAAGTATATAATGGTGATAATATCCAGGAACAAGACAGACTCCCTTT
 TCATTAACAAGAGAATATATCATCTGAGCCTGAGGTGGGAGATATTCCTTATGGAGTTCCTCAGGATTC
 TACAAGAGCAAGTCAAGGAACATCTACATGCCTGCAAGAGTCACTTGGGAATGTTTTCTGAAAAGAC
 CCAAGGGAGGTACCAGGTTGCAGTCTAGGCAAGAGCAGCCTATCTCTGATCCTGTCCTTGGTAAGAATC
 ATGAGGCAAACTTACCATGTGAAAGTCAAAAAGAGATTCCATAGAGATGCCAACTATACAAGTGTGA
 AGAATGTTCTAGGATGTTCAAACATGCCAGGAGCCTTTCATCCCACAGAGAACTCACCTGAATAAGAAG
 AGTGAATTGCTTTCATCACCTGTGAGAAAATATTCAAACGAGTTTCTGACCTTGAACCATGAGATCA
 TACACATGTGAGAAAAGCCTTTCAAGTGCAGCACATGTGAAAAGTCTTCAGCCACAAGACCAACCTGAA
 GTATCATGAGATGATTCACACAGGAGAAATGCCTTATGTCTGTTCCCTATGTAGCCGTCGCTTTCGCCAA
 TCATCCACTTACCATCGTCACCTGAGGAATTACCACAGATCTGAC

ACGCGTACGCGGCCGCTCGAG – GFP Tag – GTTTAA

Protein Sequence:

>MG222710 representing NM_001161802
 Red=Cloning site Green=Tags(s)

MASQQAPAKDLQTNLEFTPTDSSGVQWAEDISNSPSAQLNFSNNGCWATQELQSLWKMFNWLQPEK
 QTKEQMISQLVLEQFLLTGHCKDKYALTEKWKASGSDMRRFMESLTDECLKPPVMVHVMQGEALFSEN
 MPLKEVIKLLKQQQSATRIIPDNEQMPVDTTQDRLLATGQENSENECNTSCNATEVNVGESCSGNEKDSL
 LITQKEQNHEHEEGNVVCFPRGARRASQDTSSHVDFPSALTPADVPMEEQPMDSLRENISEDKNNCYN
 TSRNAATQVYNGDNIIPNKTDLSFINKRIYHPEPEVGDIPYGVPODSTRASQGTSTCLQESLGECFSEKD
 PREVPGLQSRQEQPISDPVLGKNHEANLPCESHQKRFHRDAKLYKCEECSRMFKHARSLSSHQRTHLNKK
 SELLCITCQKIFKRVSRLRTHETIHMSEKPKCSTCEKSFHKTNLKYHEMIHTGEMPYVCSLCSRRFRQ
 SSTYHRHLRNYHRSD

TRTRPLE – GFP Tag – V

Restriction Sites:

Sgfl-MluI

Cloning Scheme:


ACCN: NM_001161802

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_001161802.1](#), [NP_001155274.1](#)

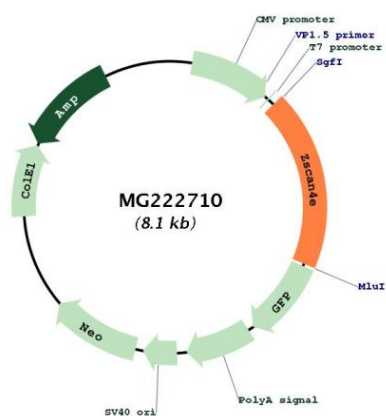
RefSeq Size: 1745 bp

RefSeq ORF: 1518 bp

Locus ID: 665848

Cytogenetics: 7 A1

Product images:



Circular map for MG222710