

Product datasheet for **MR209425**

Zscan2 (NM_009553) Mouse Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Zscan2 (NM_009553) Mouse Tagged ORF Clone
Tag:	Myc-DDK
Symbol:	Zscan2
Synonyms:	Zfp-29; Zfp29
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)



[View online »](#)

ORF Nucleotide Sequence:

>MR209425 representing NM_009553
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGGATCGCC**

ATGGCAGCCGAAGTGCCAGCAGTGAGCACTCCCCTCAGCCCTTTGGTTCAAGTACCTCAAGAAGAAGATG
 AACAGGCAGAGGTCACCACTATGATCCTGGAGGATGACGCGTGGGTGCAGGAAGCAGTGCAGGAGGA
 TGGCCCTGAGTCTGAGCCCTTTCCCCAGAGTGCTGGAAGAGCAGCCCCAGGAGGAGGACGCAGCCGAG
 GGACCCAGGGTCTCTGTCCGATTTCCGGAGCTCTGTCCGGCTGGCTGAGGCCAGAGGTGCACACTA
 AGGAGCAGATGCTAACTGTGCTGCCAAGAGAAATTCAGGCCTGGCTGCAAGAACATCGCCCTGAGAGCAG
 TGAGGAGGCAGTGCCCTGGTGGAAAGACCTGACCCAGACTTTTCGGCACAGTGATTTTGAGATACAGAGC
 GAGAATGGGGAGAAGTCAAATGAAGACATGTTGAGGGTGTGGAGTACATGGGATGTTCTTGAACATCT
 CTGGAGGGGAAGGTGGTCAAGCAGTCTGATGGGGACAGTACTTTGAGAGAGACTGTGGCTCTGGAGGCC
 CCAGGGACATGCCCGGGTGAGGACCCAGGGTCGTGCCATCGGAAGGAAGGGAAGTTGGCCAGCTAATA
 GGCCCTTACGGGACCTACCTGGGTGAGAAGCCGTATGAATGTCCCCAGTGTGGAAAACCTTTAGCCGGA
 AATCCACCTTATCACCCATGAGCGGACCCACACAGGAGAAAAATACTACAAATGTGATGAATGTGGAA
 GAGCTTTAGTGACGGCTCGAACTTTAGTAGACACAAACGACTCACACTGGAGAGAAGCCCTACAAATGC
 AGGGACTGCGGGAAGAGCTTTAGCCGGAGTGCGAACCTTATCACGCACCAGAGGATCCACACCGGCGAGA
 AGCCTTTCCAGTGTGCCGAGTGTGGCAAGAGTTTACAGCAGGAGCCCCAACCTCATCGCCATCAGCGCAC
 GCACACAGGGGAAAAGCCGTAACGTCGCCCCGAGTGTGGCAAGAGCTTTGGCAACCGGTCAGCCTTAAT
 ACTCACAGGGCATTACACCCGAGAAAAACCTACCGGTGCAAGGAATGCGGCGAAAGCTTCAGTTACA
 ACTCCAACCTGATCCGACACAGAGAAATCCACACGGGAGAGAAACCATAACAAATGCACCCGAGTGCAG
 GAAGTTACGCCAGAGCTCCGCGCTCATTACGCACCGGAGAACGCACACCGGGGAGAAGCCCTATCAGTGC
 GGCGAGTGGCGCAAGAAGTTCAGCCGAGCTCCAACTGGCCACTCACCGGCGACCCACCTGGTGGAGA
 AGCCGTACAAGTGGGGCTGTGCGGCAAGAGCTTCAGCCAGAGCTCCAGCCTGATCGCGCACCAGGGCAC
 GCACACCGGCGAGAAGCCCTACGAGTGCCTCACGTGCGGCGAGAGCTTACAGTGGAGCTCCAACCTCATC
 AAGCACCAGCGGACGCACACCGGCGAGAAGCCCTACAGATGCGGCGACTGTGGAAAGGGCTTCAGCCAGC
 GCTCGCAGCTCGTGGTGCACCAGCGGACGCACACCGGCGAGAAGCCCTACAAGTGCCTCATGTGTGGCAA
 GAGCTTACGCCGGGGCTCCATTCTGGTATGCACCAGCGAGCGCACTTGGGAGACAAGCCTTACAGGTGC
 CCGGAGTGGGGAAGGGCTTCAGCTGGAACCTCCGTTCTCATCATCCACCAGCGCATCCACACGGGAGAGA
 AGCCCTACAGATGCCCGAGTGGGCAAGGCTTCAGCAACAGCTCCAACCTCATCACACACCAGAGGAC
 GCACCTGAAAGAGAAGCTTTAC

AG**CGGACCG**ACGCGTACGCGCCGCTCGAGCAGAAAACCTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCC
 TGGATTACAAGGATGACGACGATAAGGTTTAA

Protein Sequence:

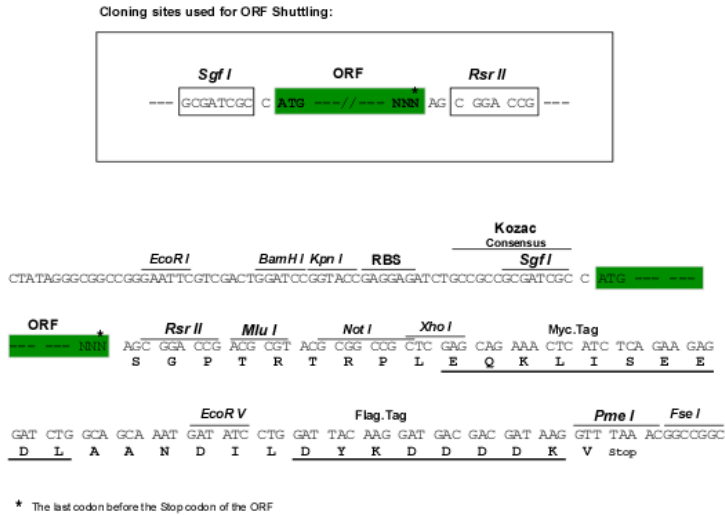
>MR209425 representing NM_009553
 Red=Cloning site Green=Tags(s)

MAAEVPAVSTPLSPLVQVPQEEDQAEVTTMILEDRAWVQEAVLQEDGPESEFPFQPSAGKSPQEEDAAE
 GPQALVRFRELCRRWLRPEVHTKEQMLTVLPREIQAWLQHRPESSEEAVALVEDLTQTFRHSDFEIQS
 ENGENSEDMFEGVESHGMFLNISGGEGGQQSDGSDFERDCGSGGAQGHAPGEDPRVVPSEGREVGQLI
 GLQGTYLGEKPYECPQCKTFSRKSHLITHTERTHTGEKYKCECGKSFSDGSNFSRHQTHTGEKPYK
 RDCGKSFSRSANLITHQRIHTGEKPFQCAECGKFSRSPNLIHQRTHTGEKPYSCPECGKSFSGNRSSLN
 THQIHTGEKPYACKECGESFSYNSNLIHQRIHTGEKPYKCTECGQKFSQSSALITHRRTHHTGEKPYQC
 GECGNFSRSSLATHRRTHLVEKPYKCGLCGKFSQSSSLIAHQGTHHTGEKPYECLTCGESFSWSSNLI
 KHQRTHTGEKPYRCGDCGKGFSSQSQLVHQRTHTGEKPYKCLMCGKFSRGSILVMHQRAHLGDKPYRC
 PECGKGFSSWNSVLIHQRIHTGEKPYRCPECGKFSNSNFIHQRTHLKEKLY

SGP**TRTRPLEQKLI**SEEDLAANDILDYKDDDDKV

Restriction Sites: SgfI-RsrII

Cloning Scheme:



ACCN: NM_009553

ORF Size: 1842 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_009553.2](#), [NP_033579.1](#)

RefSeq Size: 2302 bp

RefSeq ORF: 1845 bp

Locus ID: 22691

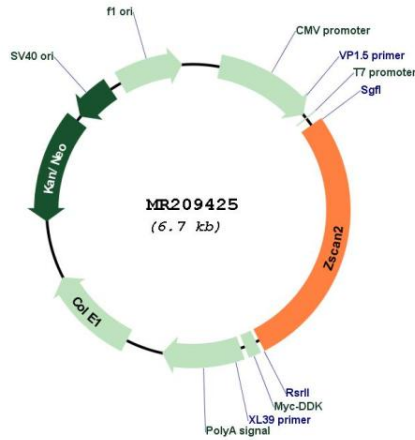
UniProt ID: [Q07230](#)

Cytogenetics: 7 45.71 cM

MW: 68.7 kDa

Gene Summary: May be involved in transcriptional regulation during the post-meiotic stages of spermatogenesis.[UniProtKB/Swiss-Prot Function]

Product images:



Circular map for MR209425