

Product datasheet for **MR216174**

Spert (NM_001164139) Mouse Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Spert (NM_001164139) Mouse Tagged ORF Clone
Tag:	Myc-DDK
Symbol:	Spert
Synonyms:	1700086N05Rik; AI596460; Nurit
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)



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ORF Nucleotide Sequence:

>MR216174 representing NM_001164139
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGGAATTCGTGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGCATCGCC**

ATGTCACCTCTGGAATGTTCTGAGTGTTTTGGTGACCAGCTTTTGCATAAGACCTATACCTGGCATCTCA
 CATTGCACTCGAGGCCAAATTTTACAAGAAAGAGAGATACCAGATCTGAGAGCCTAGAAATTCAGTCAA
 TGTGATTCTACCTCAGAGGGGCACCGAGCCCTTCTGAGGCTCCACAACCTGTACAGTACTCCTCGTGC
 TCCAGGCAGGCTGCCTTACCTCGGATGAGCCGAGGGTAGCCAGCCAGCACTCCTACCCACTCAACCGCT
 TCTCTTCTATGCCTTTTGACCCATGGAGCGCCACCTCCAGGCCGACCTGGAAGTACTACAACCC
 TCCCCGGTGCAGCTCAGCGATGAGATGTTTGTCTTCCAGGATGGGCGCTGGGTGAATGAGAGCTGCCGC
 CTAACAACCTTACTTCTCTCCCCCTCCTTCCACCATAAGCTGCACCACAGGAGGCTGGCCAAGG
 AGTACCAGCTGCAGGAAGAGAACAAGTCTTTCGGGATGAGAACCAGGCGCCCTACGGGATGAGAACAAGG
 CCTCCGAAGGAGAACAAGATCTTACAGGTCTTTTGGGAAGAGACAAGTCACTTTAGGCCACGAGGAG
 AGTCAGACCTCCTCATTGTTGCACAAGGACACAACCTCCAGGAAGTGGTGAAGAGAGACAACACCACTT
 TGCTGCCACGCTAGCAAGAGAGCACCTACAGCTCATTTCGAGAGGAGAACCAGGCGCTGCAGCAGTT
 GCTGGAGCAGAGGCAGGCTACTGGGCCAGGCAGAAGAGAATGCAGTTCCTACTGAGGAAGGCAAGTCC
 ACCTCCTCACCAAGGAGGAGTCCATAACTCAGGGCTTCTGCCAGATCAGAGCAAAACCACTCCTCCC
 CCTTTGAGGACCCAAAGTGCCCCACAACACAGGAGGACTCGAAGACTGCGTGCCTTGAGGGAGAT
 GGTTAACTTGTCTGGGGCATCTGGGAAGAGGATGGCAAAGTAGGCCCTAACCTACCTGACAGCGCT
 CAACCCCTGCAGCTGCTGAGAGAGATGAACCAGGCGCTGCAGGCCCTGCAGGAGGAGAACCAGGCTGCTGC
 AGGAGGAGAACAGGCTCTGCACATCTTGCAGAGGAGCACCGCTCTTCCAGGAGGAGAACAAGCCCT
 GTGGGAGAAACAATAAGTTGAAGCTGCAGCAGCGCTGGTCACTCGACACGGTGACTGAGGTACAGCCCGG
 ATGGAGATGCTTATCGAAGAGCTGTATGCCTTCATGCCAGCCAAGAACAACAAGATCCCCAAAAGCCCA
 GCAGGGTC

ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAATGATATCCTGGATT
 ACAAGGATGACGACGATAAGGTTTAA

Protein Sequence:

>MR216174 representing NM_001164139
 Red=Cloning site Green=Tags(s)

MSPLECSECFDQLLHKTYTWHLTLHSRPNFTRKRDTRSESLEIPVNVILPQRGTEPFLRLHNLYSTPRC
 SRQAALPRMSRRVASQHSYPLNRFSSMPFDPMERPTSQADLELDYNPPRVQLSDEMVFVQDGRWVNESCR
 LQPPYFSPSSFHKLHHRRLAKEYQLQEENKSLRDENRALRDENKALRKENKILQVFWEEHKVTLGHEE
 SQTSSLLHKDTTSQEVVVRDNTTLPQRSKESTLQLIREENRALQQLLEQRQAYWAQEENAASTEEGKS
 TSSPKEESHNSGLLPDQSTNHSSPFEDPKVPPTTQEDSKTLRALREMVNLSGASGEEDGKVGPNLPDSA
 QPLQLLREMNQALQALQEENRLLQEENRALHILREEHRVFQEENKALWENNKLKLQQLVIDTVTEVTAR
 MEMLIEELYAFMPAKNNKDPKPSRV

TRTRPLEQKLISEEDLAANDILDYKDDDDKV

Chromatograms:

https://cdn.origene.com/chromatograms/mm9046_d01.zip

Restriction Sites:

Sgfl-Mlul

Cloning Scheme:


ACCN: NM_001164139

ORF Size: 1338 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_001164139.1](#), [NP_001157611.1](#)

RefSeq Size: 1615 bp

RefSeq ORF: 1341 bp

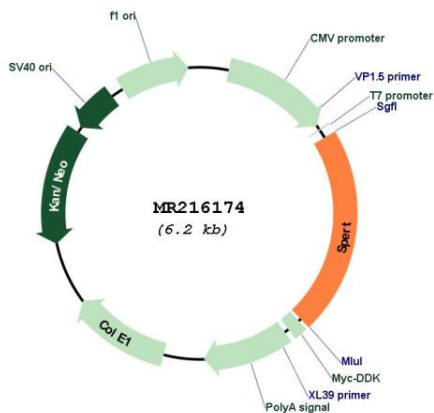
Locus ID: 67926

UniProt ID: [Q32MG2](#)

Cytogenetics: 14 D3

MW: 52.3 kDa

Product images:



Circular map for MR216174