

Product datasheet for **MG216174**

Spert (NM_001164139) Mouse Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Spert (NM_001164139) Mouse Tagged ORF Clone
Tag:	TurboGFP
Symbol:	Spert
Synonyms:	1700086N05Rik; AI596460; Nurit
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-AC-GFP (PS100010)
E. coli Selection:	Ampicillin (100 ug/mL)



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ORF Nucleotide Sequence:

>MG216174 representing NM_001164139
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**GCGATCGCC**

ATGTCACCTCTGGAATGTTCTGAGTGTTTTGGTGACCAGCTTTTGCATAAGACCTATACCTGGCATCTCA
 CATTGCACTCGAGGCCAAATTTTACAAGAAAGAGAGATACCAGATCTGAGAGCCTAGAAAATTCAGTCAA
 TGTGATTCTACCTCAGAGGGGCACCGAGCCCTTCTGAGGCTCCACAACCTGTACAGTACTCCTCGTGC
 TCCAGGCAGGCTGCCTTACCTCGGATGAGCCGACGGGTAGCCAGCCAGCACTCCTACCCACTCAACCGCT
 TCTCTTCTATGCCTTTTGACCCATGGAGCGCCACCTCCCAGGCCGACCTGGAAGTACTACAACCC
 TCCCCGGTGCAGCTCAGCGATGAGATGTTTGTCTTCCAGGATGGGCGCTGGGTGAATGAGAGCTGCCGC
 CTAACAACCTTACTTCTCTCCCCCTCCTTCCACCATAAGCTGCACCACAGGAGGCTGGCCAAGG
 AGTACCAGCTGCAGGAAGAGAACAAGTCTTTCGGGATGAGAACCAGGCCCTACGGGATGAGAACAAGGC
 CCTCCGCAAGGAGAACAAGATCTTACAGGTCTTTTGGGAAGAGACAAGTCACTTTAGGCCACGAGGAG
 AGTCAGACCTCCTCATTGTTGCACAAGGACACAACCTCCCAGGAAGTGGTGAAGAGAGACAACACCACTT
 TGCTGCCAGCGTAGCAAGAGAGCACCTACAGCTCATTTCGAGAGGAGAACCAGGCCCTGCAGCAGTT
 GCTGGAGCAGAGGCAGGCCTACTGGGCCAGGCAGAAGAGAATGCAGTTCCTACTGAGGAAGGCAAGTCC
 ACCTCCTCACCAAGGAGGAGTCCCATAACTCAGGGCTTCTGCCAGATCAGAGCAAAACCACTCCTCCC
 CCTTTGAGGACCCAAAGTGCCCCCACAAACACAGGAGGACTCGAAGACTGCGTGCCTTGAGGGAGAT
 GGTTAACTTGTCTGGGGCATCTGGGAAGAGGATGGCAAAGTAGGCCCTAACCTACCTGACAGCGCT
 CAACCCCTGCAGCTGCTGAGAGAGATGAACCAGGCGCTGCAGGCCCTGCAGGAGGAGAACCAGGCTGCTGC
 AGGAGGAGAACAGGGCTCTGCACATCTTCCGAGAGGAGCACCGCTTCCAGGAGGAGAACAAGGCCCT
 GTGGGAGAACAATAAGTTGAAGCTGCAGCAGCGCTGGTCAATCGACACGGTACTGAGGTACAGCCCGG
 ATGGAGATGCTTATCGAAGAGCTGTATGCCTTCATGCCAGCCAAGAACAACAAGATCCCCAAAAGCCCA
 GCAGGGTC

ACGCGTACGCGGCCGCTCGAG – GFP Tag – GTTTAA

Protein Sequence:

>MG216174 representing NM_001164139
 Red=Cloning site Green=Tags(s)

MSPLECECFGDQLLHKTYTWHLTLHSRPNFTRKRDTRSESLEIPVNVILPQRGTEPFLRLHNLYSTPRC
 SRQAALPRMSRRVASQHSYPLNRFSSMPFDPMERPTSQADLELDYNPPRVQLSDEMVFVQDGRWVNESCR
 LQPPYFSPSSFHKLHRRRLAKEYQLQEENKSLRDENRALRDENKALRKENKILQVFWEEHKVTLGHEE
 SQTSSLLHKDTSQEVVKRDNTTLPAQRSKESTLQLIREENRALQQLLEQRQAYWAQEENAASTEEGKS
 TSSPKESHNSGLLPDQSTNHSSPFEDPKVPPTTQEDSKTLRALREMVNLSGASGEEDGKVGPNLPDSA
 QPLQLLREMNQALQALQEENRLLQEENRALHILREEHRVFQEENKALWENNKLKLQRLVIDTVTEVTAR
 MEMLIEELYAFMPAKNNKDPKPSRV

TRTRPLE – GFP Tag – V

Restriction Sites:

SgfI-MluI

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

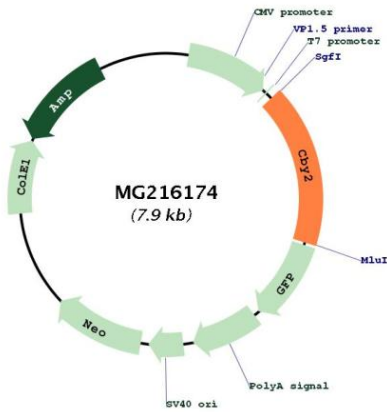
RefSeq ORF: 1341 bp

Locus ID: 67926

UniProt ID: [Q32MG2](#)

Cytogenetics: 14 D3

Product images:



Circular map for MG216174