

Product datasheet for **MR216184**

Spert (NM_026457) Mouse Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Spert (NM_026457) 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)
ORF Nucleotide Sequence:	>MR216184 representing NM_026457 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCC**CGATCGCC**

ATGCAGCCAGAGGGGTGAAATGTAGGATGGAGGGACCCAAGGCACAGAGGGGCACCGAGCCCTTCTGA
GGCTCCACAACCTGTACAGTACTCCTCGCTGCTCCAGGCAGGCTGCCTTACCTCGGATGAGCCGACGGGT
AGCCAGCCAGCACTCCTACCACTCAACCGTCTCTTCTATGCCTTTTGACCCCATGGAGCGCCCCACC
TCCAGGCGGACCTGGAAGTACTACAACCTCCCGGGTGCAGCTCAGCGATGAGATGTTTGTCTTCC
AGGATGGGCGCTGGTGAATGAGAGCTGCCGCTACAACCACCTTACTTCTCTCCCCCTCTCCTTCCA
CCATAAGCTGCACCACAGGAGGCTGGCCAAGGAGTACCAGCTGCAGGAAGAGAACAAGTCTTTCGGAT
GAGAACCAGGCGCTACGGGATGAGAACAAGGCCCTCCGCAAGGAGAACAAGATCTTACAGGTCTTTGGG
AAGAGCACAAGGTCACCTTAGGCCACGAGGAGAGTACAGCTCCTCATTGTTGCACAAGGACACAACCTC
CCAGGAAGTGGTGAAGAGAGACAACCACTTTGCCTGCCAGCGTAGCAAGAGAGCACCCCTACAGCTC
ATTCGAGAGGAGAACCGGCCCTGCAGCAGTTGCTGGAGCAGAGGCAGGCTACTGGGCCAGGCAGAAG
AGAATGCAGCTTCCACTGAGGAAGGCAAGTCCACCTCCTCACCAAGGAGGATCCCATAACTCAGGGCT
TCTGCCAGATCAGAGCACAACCACTCCTCCCCCTTTGAGGACCCCAAGTGCCCCCACAACACAGGAG
GACTCGAAGACACTGCGTGCCCTGAGGGAGATGGTTAACAACCTGTCTGGGGCATCTGGGAAGAGGATG
GCAAAGTAGGCCCTAACCTACCTGACAGCGCTCAACCCCTGAGCTGCTGAGAGAGATGAACCAGGCGCT
GCAGGCCCTGCAGGAGGAGAACCGGCTGCTGCAGGAGGAGAACAGGGCTCTGCACATCTTGCAGAGGAG
CACCGCTCTTCCAGGAGGAGAACAAGGCCCTGTGGGAGAACAATAAGTTGAAGCTGCAGCAGCGCTGG
TCATCGACACGGTACTGAGGTACAGCCGGATGGAGATGCTTATCGAAGAGCTGTATGCCTTCATGCC
AGCCAAGAACAACAAGATCCCAAAAAGCCAGCAGGGTC

ACGGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAATGATATCCTGGATT
ACAAGGATGACGACGATAAGGTTTAA



Protein Sequence: >MR216184 representing NM_026457
 Red=Cloning site Green=Tags(s)

MQPEGVKCRMEGPKAQRGTEPFLRLHNL YSTPRCSRQAALPRMSRRVASQHSYPLNRFSSMPFDPMERPT
 SQADLELDYNPPRVQLSDEMVFVQDGRWVNESCLRLOPPYFSPSSFFHHKLHHRRLAKEYQLQEENKSLRD
 ENRALRDENKALRKENKILQVFWEEHKVTLGHEESQTSLLHKDTSQEVVVRDNTTLPQORSKESTLQL
 IREENRALQQLLEQRQAYWAQAEENAASTEEGKSTSSPKKEESHNSGLLPDQSTNHSSPFEDPKVPPTTQE
 DSKTLRALREMYNNL SGASGEEDGKVGPNLPDSAQPLQLLREMNAQALQALQEENRLLQEENRALHILREE
 HRVFQEENKALWENKLLKQRLVIDTVTEVTARMEMLIEELYAFMPAKNNKDPKPSRV

TRTRPLEQKLISEEDLAANDILDYKDDDDKV

Restriction Sites:

SgfI-MluI

Cloning Scheme:

Cloning sites used for ORF Shuttling:



* The last codon before the Stop codon of the ORF

ACCN: NM_026457

ORF Size: 1230 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_026457.2](#), [NP_080733.2](#)

RefSeq Size: 1473 bp

RefSeq ORF: 1233 bp

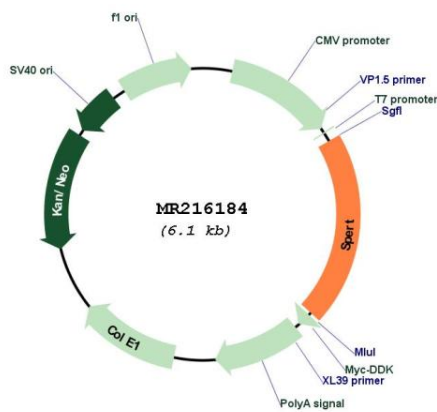
Locus ID: 67926

UniProt ID: [Q32MG2](#)

Cytogenetics: 14 D3

MW: 48 kDa

Product images:



Circular map for MR216184