

Product datasheet for **MC222714**

Spidr (NM_146068) Mouse Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Spidr (NM_146068) Mouse Untagged Clone
Tag:	Tag Free
Symbol:	Spidr
Synonyms:	2310008H04Rik; Kiaa0146
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
Cell Selection:	Neomycin



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Fully Sequenced ORF: >MC222714 representing NM_146068
 Red=Cloning site Blue=ORF Orange=Stop codon

TTTTGTAATACGACTCACTATAGGGCGGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGGATCGCC**

ATGTCTGGAGCCCGCCGCCCGGCACGTCCAAGAGGAAAAGGAATTGGCATATAGAACACCCATCCTTTTC
 GAGAAGAGAGGTCACAGCAGTTGAGACGGGAAAATTTCAAGACAGTGGAAGCAGCTGACTCTCTCTCTAA
 AGCATGGCTCAAGTGTGAGAAGGATTTTCAAGACACCTCTGAGATCCTGTATTAGCAAGTGAAAAGACA
 GGTATTACTGAAAAGCACCTGGAATTATCTCCAAAACAAAGACAGAACTACAAGTAAGAATGCTAGTG
 AGCTTCCAAATATAATATGGAGTCCAGTGAAAGTGATTTCTCCGATGAAGATAAGACACTTCTGCATT
 ACAGAGAGATGGTAGGCATGGCCCTAGAGCCGACAGGCTTGGTGACAGGACTATCTCATGTCCCAGAAC
 GAAGACATTGAAGATGAATTACAGGTTATTGACTGGGAGGTTAACAGTGACAAAGAAGATCTGGTGGGC
 CTAGTGAGTGTGAAGATGATAAGGGTACCCTGGACATCTCAGATTGTGATTCTGTGCAAGTCTGACAAG
 TGATGACAGGCTATGTGAGCCTTCTGAGCCAATTTCTACAGAAATTTTGGAGATTTCATCAGATAGTGAA
 AAGAAGAAGACCCAGAACATTCCTGTTCATTGATTCAGAATCCCCTCACAAATACCAGGCGGATTTTA
 AATCTGATGCAAGATGGTGTGGTTAGTCAGACTGACTCAGAAGCAAATTCAGCTGAGCCTACATTGAC
 ACCCCAGAAAATACGGTCAAGTTTCCGAAGACTCCAGAATATTCAGTAACAAAGAAGAGCTTTTAAAGG
 GGCGGGCTAGCAGAAAGACTCCAAGAATGCAGAAATCGAAAGAGATCTGCCATTTCTTTGTGGAGACATC
 GATGTGTTTCTTACCAATGACACCATTAGGCAGAAAATCTGGTGTATTAAGTGTGAAAATCTAGAACT
 GCATGAGGAATGCAGCATGCAAGTTCAGTATGTGAGCAGTTAGCAGGGCCTCCAATCACCAGCCCTCCC
 GGAGGACTAGCTCCTAGACCAGGAGCCTACCTGAAGTACTCTTACCAGAGAGACTGCAGACCATTGA
 TGGGGCATCCCCAGGACATCAATTTACATCTTCCCTCCTTGGCAAAAATCTTATCCCAAATGGAAGTTG
 CTCCATTATTCTGAATACTTATTTTTGTGAGAAAGCTATTGCAAAAAGAAACAGTGCAGCAAGACCTATAC
 AGTCCGGACATATCTCTTCAAGGAGAAAATATAACTTTGGCCAGACATTTAGAATTAAGGACATAACAG
 ACAATTCATCCATCAATCAGACTACATATGATAGCCTGGCCACCCTGGCACAGGCTGGACCCACGGACA
 TGAGAAGGCAGAGCAACATCTTATAGTTGCTGCTCCCCTGAGGAATTCCTTCTGGACATTGTGGAAGC
 CAAAGAGCTGGCCTATGGTCTGGAGTCAAGGTCCAAGTAGTAGTGCAGAGGGTGTACTCTTCTCAGCA
 GAGATGGTGCCAGGAGCCAGCAAGGGCACACAGTGGGACATGCAGATGCCTCTGGAGCATGGTCTGCCT
 TCTAGTGCAGGATGCCTGTGGCATGTTCCGGGAAGTGTCTTGAACAGCACCCCTCTGGAAGAGCAGACAG
 TTAGAAGGAAGTCTGCAGCATGTCGGGAGTGAAGTCTACAGAAAGCTACAAGAGGAAGGACACCAG
 GGCTCTCAGTTAATTGACAGTTTGTGGCCCCAGTGATATCTCTGACTGAGCCTTCTGTGGCCAGCC
 CAGTGGAGAGACAAAGACTTATCTGCCTCCTCCTATCTTCTGTTATATCTTCTCTGCACATCCAACACTG
 GGACAAATTTGATGCAATTAAGACCACATTTCCAAGCTTTACCAGCCTCCAGTTGTCCGCTGCTTAAAG
 AAATCCTCCAGACTAATGAGTGCAGTACAGTTGACGCTTCTATGCCAGAGTGATTTATCAAAAACCACA
 GCTAAAGAATCTTTTGGCGAAAAGGAAATCTGGCTGCTGGTACTGACATCACTCTGCAAAACACAGGAT
 GAAAGGGACCACTCTCTCCAAAACCCCTGCCTGTCTATATAGCCCCCTCGTGTGTGTGGGCCAGAGG
 TTGTAGAAGAACTTGCCTTGTGGTGTCTATAACTTACTCTTCCAGGGACGCTTTAAGGACAACGGTCA
 GATTGTTTGTATTGAACGGACAGTCACTCTACCCAGAAAACCTCTTGTGTGTACCTTCTGCTTCTCTGT
 GACTTGGCCAGCCAGTGAACCTGACTGACCTGACCTGACCTGTCAACTCCATTTGCAAGTGTGC
 AAGGTAAGTGTGGTGTGATGATGAGAGACTGCTTCTCGTGGCCTGTGTGTGACCGGTGTGGCAATGG
 GAGACTGGAACAGAAGCCAGAAGATGGAGGCACCTTCTCCTGTGGGGACTGTTCCCAACTGGTCTGTCA
 CCTCTTCAAGAGAGGCACCTGCATGTCTTCTGGACTGTCCCACGAGACCTGAGAGTACTGTGAAGGTCA
 AGCTATTGGAGAGCAGTATTTCTTACTTCTGATGTCTGTGCCTCTGAGGATGGGAGTTATGAAGTGGA
 GAGCGTCTTGGGAAGGAGATGGGACCTTACTCTGCTTGTCCAGTCCATCACTACACAGCAGAGCAGC
 TGTGTCGTACCCTGGAAGAGATTGAGCTGCTGAGTACAGAGGGACCACTGCTGCTCAGCCTCCTCCT
 GA

ACGCGTACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
 ACAAGGATGACGACGATAAGGTTTAA

Restriction Sites: SgfI-MluI

ACCN:	NM_146068
Insert Size:	2802 bp
OTI Disclaimer:	Our molecular clone sequence data has been matched to the reference identifier above as a point of reference. Note that the complete sequence of our molecular clones may differ from the sequence published for this corresponding reference, e.g., by representing an alternative RNA splicing form or single nucleotide polymorphism (SNP).
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:	<ol style="list-style-type: none">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_146068.4 , NP_666180.2
RefSeq Size:	3303 bp
RefSeq ORF:	2802 bp
Locus ID:	224008
UniProt ID:	Q8BGX7
Cytogenetics:	16 A2
Gene Summary:	Plays a role in DNA double-strand break (DBS) repair via homologous recombination (HR). Serves as a scaffolding protein that helps to promote the recruitment of DNA-processing enzymes like the helicase BLM and recombinase RAD51 to site of DNA damage, and hence contributes to maintain genomic integrity (By similarity).[UniProtKB/Swiss-Prot Function]