

## Product datasheet for MC211092

### Abraxas1 (NM\_172405) Mouse Untagged Clone

#### Product data:

Product Type:	Expression Plasmids
Product Name:	Abraxas1 (NM_172405) Mouse Untagged Clone
Tag:	Tag Free
Symbol:	Abraxas1
Synonyms:	3830405G04Rik; 5630400M01Rik; AI506069; AL024423; AV118690; Ccdc98
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
Cell Selection:	Neomycin
Fully Sequenced ORF:	>MC211092 representing NM_172405 Red=Cloning site Blue=ORF Orange=Stop codon

TTTTGTAATACGACTCACTATAGGGCGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC  
GCC**GCGATCGCC**

ATGGAGGGCGAGAGCACGTTGGGGTGCTGTCTGGCTTCGTGCTCGGCGCGCTCACTTTCCATCATCTCA  
ACACAGACTCAGACACGGAAGGTTTTCTCCTCGGTGAAATGAAAGGTGAAGCCAAGAATAGCATTACTGA  
TTCACAGATGGACAACGTTAAAGTTGTTTATAACAATTGACATTGACAAATATATCCCATGCTACCGGCTT  
TTTAGCTTTTATAATTCTTTAGGTGAAGTAAACGAACATGCACTGAAGAAGGTTCTTTCAAATGTCAGAA  
AGACTGTGGTGGTTGGTATAAATCCGTCGCTCACTCGGATCAGATCATGACATTTAGAGAGCAGTTACT  
CCACAGAAACTTACAGACACATCTTTCAAGCCCTGAGCTGGTTTTCTGTTGTTAACACCGAGTATAACA  
ACAGAAAGCTGCTCCACTCACTGCCTGGAACACGCCTTATATAAACCTCAAAGGGGGCTTTTTCATAGGG  
TACCATTGGTGGTTACCAATCTGGGAATGTCTGATCAACTGGGTATAAAACAGAACCTGCTTCTGTAC  
GTCCACTGTCTTTAGTAGAGCTGTGAGGACACACAGTTCTCAGTTCTTTAATGAAGATGGATCATTAAAG  
GAAGTCCATAAGATAAATGAAATGTATGCTGCTGTACAAGAAGAGTTAAAGAGTATATGCCAAAAAGTTG  
AACAAAGTGAACGAGAAGTAGAGAACTATTGATGGATGTAACCAATTAAGAAGTTAGAAGAACCCA  
GCAAGCACGGGCTACAGGAGCAGGAGAGAAGAATGTCCAGAGAAACCCACAGGAGAACATCCTTCTTTGT  
CAAGCTTTGCGAACATTTTTTCCAGAGTCTGAAGTTCTTATTCTTTCGTTATTTCTTTGAAAAATAGAC  
ACATTTCTCCAGTGGGTGTAACGTTAACACCATGTTGATGTAGTGGATCAGCTGACCTTAATGGTAGA  
GTATGTGTACAGCCCTGAAGCTAGTCCAGTGCCACAGCCAGCTACGTAACGGAAGGCTCTAGACACA  
CACGACCAGGGTCTGTGAAGAGACCACGGCTGCTGGAGACAGAAAGCAGACCTTCTGTGGCAGCGTCCC  
GCAGCAGGCACCAAGACAAGGCTTCTCAAGCAGCCTAGATATAGACATAGAGATGGGGAGCCAGAAGA  
TGATGCTGACTATCCTCGCTCTCCACATTT**TAA**

**ACGCGT**ACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT  
ACAAGGATGACGACGATAAGGTTTAA



[View online »](#)

<b>Restriction Sites:</b>	Sgfl-Mlul
<b>ACCN:</b>	NM_172405
<b>Insert Size:</b>	1224 bp
<b>OTI Disclaimer:</b>	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).
<b>Components:</b>	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).
<b>Reconstitution Method:</b>	<ol style="list-style-type: none"><li>1. Centrifuge at 5,000xg for 5min.</li><li>2. Carefully open the tube and add 100ul of sterile water to dissolve the DNA.</li><li>3. Close the tube and incubate for 10 minutes at room temperature.</li><li>4. Briefly vortex the tube and then do a quick spin (less than 5000xg) to concentrate the liquid at the bottom.</li><li>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.</li></ol>
<b>RefSeq:</b>	<u><a href="#">NM_172405.3</a></u> , <u><a href="#">NP_765993.1</a></u>
<b>RefSeq Size:</b>	2499 bp
<b>RefSeq ORF:</b>	1224 bp
<b>Locus ID:</b>	70681
<b>UniProt ID:</b>	<u><a href="#">Q8BPZ8</a></u>
<b>Cytogenetics:</b>	5 E4
<b>Gene Summary:</b>	Involved in DNA damage response and double-strand break (DSB) repair. Component of the BRCA1-A complex, acting as a central scaffold protein that assembles the various components of the complex and mediates the recruitment of BRCA1. The BRCA1-A complex specifically recognizes 'Lys-63'-linked ubiquitinated histones H2A and H2AX at DNA lesion sites, leading to target the BRCA1-BARD1 heterodimer to sites of DNA damage at DSBs. This complex also possesses deubiquitinase activity that specifically removes 'Lys-63'-linked ubiquitin on histones H2A and H2AX.[UniProtKB/Swiss-Prot Function]