

Product datasheet for MR204136

Abraxas1 (NM_172405) Mouse Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Abraxas1 (NM_172405) Mouse Tagged ORF Clone
Tag:	Myc-DDK
Symbol:	Abraxas1
Synonyms:	3830405G04Rik; 5630400M01Rik; AI506069; AL024423; AV118690; Ccdc98
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
ORF Nucleotide Sequence:	>MR204136 ORF sequence Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCC**CGATCGCC**

ATGACATTTAGAGAGCAGTTACTCCACAGAACTTACAGACACATCTTTCAAGCCCTGAGCTGGTTTTCC
TGTTGTTAACACCGAGTATAACAACAGAAAGCTGCTCCACTCACTGCCTGGAACACGCCTTATATAAAC
TCAAAGGGGGCTTTTTCATAGGGTACCATTGGTGGTTACCAATCTGGGAATGTCTGATCAACTGGGTTAT
AAAACAGAACCTGCTTCTGTACATCCACTGTCTTTAGTAGAGCTGTGAGGACACACAGTTCTCAGTTCT
TTAATGAAGATGGATCATTAAAGGAAGTCCATAAGATAAATGAAATGTATGCTGCTGTACAAGAAGAGTT
AAAGAGTATATGCCAAAAGTTGAACAAAGTGAACGAGAAGTAGAGAACTATTGATGGATGTAAACCAA
TTAAAAGAAGTTAGAAGAACCAGCAAGCACGGGCTACAGGAGCAGGAGAGAAGAATGTCCAGAGAAACC
CACAGGAGAACATCCTTCTTTGTCAAGCTTTGCGAACATTTTTCCAGAGTCTGAAGTTCTTCATTCTTG
CGTTATTTCTTTGAAAAATAGACACATTTCTCCAGTGGGTGTAACGTTAACCACCATGTTGATGTAGTG
GATCAGCTGACCTAATGGTAGAGTATGTGTACAGCCCTGAAGCTAGTCCAGTGCCACAGCCCAGCTAC
GTAACCGAAGGCTCTAGACACACAGGACCAGGGGTCTGTGAAGAGACCAGGCTGCTGGAGACAGAAAG
CAGACCTTCTGTGGCAGCGTCCCGCAGCAGGCACCAAGACAAGGCTTCTCAAGCAGCCTAGATATAGAC
ATAGAGATGGGGAGCCCAGAAGATGATGCTGACTATCCTCGCTCTCCACATTT

ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
ACAAGGATGACGACGATAAGGTTTAA



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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_172405.1](#), [NM_172405.2](#), [NM_172405.3](#), [NP_765993.1](#)

RefSeq Size: 2499 bp

RefSeq ORF: 1224 bp

Locus ID: 70681

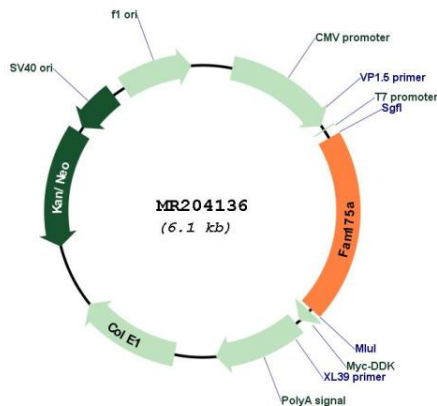
UniProt ID: [Q8BPZ8](#)

Cytogenetics: 5 E4

MW: 33.7 kDa

Gene Summary: 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]

Product images:



Circular map for MR204136