

Product datasheet for **MR209526**

Actr8 (NM_027493) Mouse Tagged ORF Clone

Product data:

| | |
|---------------------------|--|
| Product Type: | Expression Plasmids |
| Product Name: | Actr8 (NM_027493) Mouse Tagged ORF Clone |
| Tag: | Myc-DDK |
| Symbol: | Actr8 |
| Synonyms: | 5730542K05Rik; ARP8 |
| Mammalian Cell Selection: | Neomycin |
| Vector: | pCMV6-Entry (PS100001) |
| E. coli Selection: | Kanamycin (25 ug/mL) |



[View online »](#)

ORF Nucleotide Sequence:

>MR209526 representing NM_027493
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGCATCGCC**

ATGACCCAAGCCGAGAAGGGGACGCGGAGAACGGGAAGGAGAAGGGCGGGAGAAGGAGAAGGAGCAGC
 GCGGCGTGAAGCGGCCATCGTACCCGCGTTGGTCCCGAGTCGCTGCAGGAGCAAAATCCAGAGCAACTT
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 GTTCTCACGTCATTGCACGAAGACACAAACAAGGGCAGCCCTGTACAAGGACAACGGTCTCTAA
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 GTGGCAACGCTTTGGTGTCCGAATGTTACGGGAACGAGCTGCCTTTGTGTGG

ACGCGTACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAATGATATCCTGGATT
 ACAAGGATGACGACGATAAGGTTTAA

Protein Sequence:

>MR209526 representing NM_027493
 Red=Cloning site Green=Tags(s)

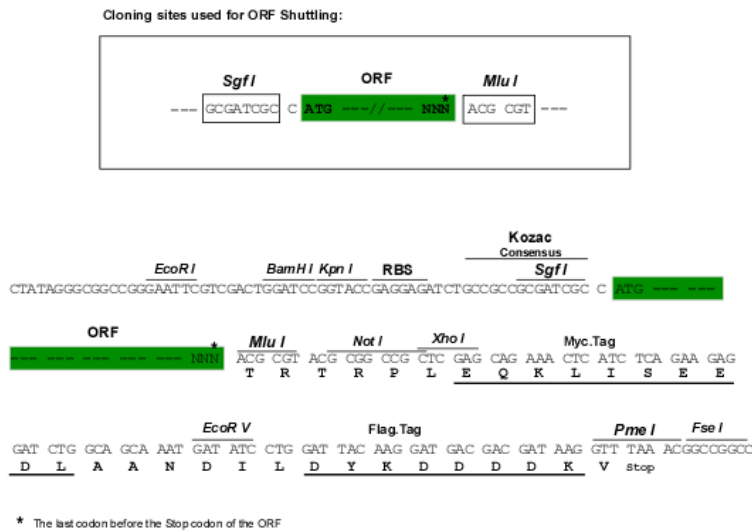
MTQAEKGAENGKEKGEKEKEQKRGVSRPVPALVPESLQEQIQSNFIVVIHPGSTTLRLGRATDLPVS
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 KQMRPAILDHCSGNKWTNTSQPEYL VGEEAL YVNPLDCYNIHWP IRRGQLNIHPGPGSLTAVLADIEV
 IWSHAIQKYLEIPLKDLKYRCILLIPDIYNKQHVKELVHMILMKMGFAGIVVHQESVCATFGSGLSSTC
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 LTALMSRKTALSLFEGKALGLDKAILHSVDCCSSDDTKKKMYSSILVVGGLMFHKAQEFLLQHRILNKMP
 PSFRRIIENVVDITRPKMDPRL IAWKGGAVLACLDTTQELWIYQREWQRFQVRLRERAAFW

TRTRPLEQKLI SEEDLAANDILDYKDDDDKV

Chromatograms: https://cdn.origene.com/chromatograms/mm9076_h02.zip

Restriction Sites: SgfI-MluI

Cloning Scheme:



ACCN: NM_027493

ORF Size: 1872 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.

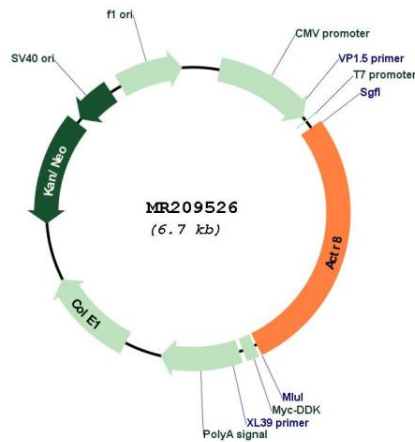
RefSeq: [NM_027493.3](#), [NP_081769.2](#)

RefSeq Size: 2121 bp

RefSeq ORF: 1875 bp

Locus ID: 56249
UniProt ID: [Q8R2S9](#)
Cytogenetics: 14 A3
MW: 70.5 kDa
Gene Summary: Plays an important role in the functional organization of mitotic chromosomes. Exhibits low basal ATPase activity, and unable to polymerize (By similarity).[UniProtKB/Swiss-Prot Function]

Product images:



Circular map for MR209526