

## Product datasheet for **MR208920**

### Arsk (NM\_029847) Mouse Tagged ORF Clone

#### Product data:

Product Type:	Expression Plasmids
Product Name:	Arsk (NM_029847) Mouse Tagged ORF Clone
Tag:	Myc-DDK
Symbol:	Arsk
Synonyms:	2810429K17Rik; 4833414G15Rik
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)



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**ORF Nucleotide Sequence:**

>MR208920 ORF sequence  
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC  
 GCC**CGGATCGCC**

ATGCCCGCATGCTGTTGCTGTTGGTGTGCGGTGGTGCAGCGTTAGCACTCGCAGCACCGGCCCCAGAA  
 CACAGAAGAAAAGGATGCAAGTGAACCAGGCGCCCAACGTGGTGTGCTGGTCCGAGTACTCCTTCGATGG  
 AAGACTAACATTTCAACCAGGAAGTCAGGTAGTAAAACTTCCCTTCATTAACCTCATGAGAGCACATGGC  
 ACCACCTTCTAAATGCCTACACTAATTCACCCATCTGCTGTCCATCACGTGCAGCAATGTGGAGTGGCC  
 TCTTCACTCACTTGACAGAATCTTGAATAATTTTAAGGGTCTGGATCCAAATTATACGACATGGATGGA  
 CATCATGGAGAAGCATGGCTATCAGACACAGAAATTTGAAAAGTGGACTATACTTCAGGACATCATTCC  
 ATTAGTAACCGTGTGGAAGCATGGACAAGAGATGTTGCATTCTTGCTCCGACAAGAAGGCAGACCCATAA  
 TTAATCTTATCCCTGATAAGAATAGAAGGAGAGTGATGACCAAGGACTGGCAGAATACAGACAAAGCAAT  
 CGAATGGCTAAGACAGGTTAACTACACCAAGCCATTTGCTCTTACTTGGGATTGAATTTGCCACACCTT  
 TACCCTTACCATCTTCAGGAGAAAACCTTTGGCTCTTCTACGTTTACACTTCCCTTTACTGGCTTGAAA  
 AGGTAGCTTATGATGCAATCAAAATCCCAAAGTGGTTGACTTTGTCAAAATGCACCTGTGGATTTTTA  
 CTCCTCTATACAAAAACTGCACTGGGAAATTTACTGAAAATGAAATTAAGAACATTAGAGCATTTTAT  
 TATGCTATGTGTGCTGAGACAGATGCCATGCTAGGTGAAATATTTTGGCTCTTCAAGTTAGATCTTC  
 TTCAGAAAATATTGTTATATACCTCAGACCATGGAGAGATGGCTATGGAACACCGCCAGTTTATAA  
 AATGAGTATGTATGAAGCTAGTGCCATGTTCTCTTCTGATGATGGGACCAGGAATTAAGGCCAACCTA  
 CAAGTACCAAGTGTGTTCTCTTGTGGATATCTACCTACTATGCTTGACATTGCTGGATTGCTCTGC  
 CTCCAAAATCTGAGTGGATACTCCTTGTGACGCTGTTGTCAAATGCATCTGCAAATGAACAGGCATTCAA  
 ATTCCACCGTCCACCTTGGATTCTGAGTGAATCCATGGATGCAATGCAAATGCTTCTACCTACATGCTA  
 CGAACTGGCCAGTGAAGTACATAGCCTACGCTGATGGTCTTCCGTGCAGCCTCAGCTCTTCGATCTTT  
 CCTTGGATCCGGATGAGCTAACAAACATTGCTACAGAATTTCCAGAAATTACTTATTCTTTGGACCAGAA  
 GCTTCTGTTCTATTGTAACCTACCCTAAAGTGTCTGCTTCTGTCCATCAGTACAATAAAGAACAGTTTATC  
 ATGTGGAAGCAAAGCGTAGGGCAAATTACTCAAACGTTATAGCACACCTCAGATGGCATCAAGATTGGC  
 AGAGAGATCCAAGGAAGTATGAAAATGCAATCCAACATTGGCTCACAGCCCACTCCAGTCCACTGGCTAG  
 CAGCCCAACCCAGTCCACAGTGGCTCACAGCCCACTTCCCCAGTCCACAGTGGC

**ACGCGT**ACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT  
 ACAAGGATGACGACGATAAGGTTTAA

**Protein Sequence:**

>MR208920 protein sequence  
 Red=Cloning site Green=Tags(s)

MPAMLLLLVSVVAALALAAPAPRTQKKRMQVNVQAPNVVLVASDSFDGRLTFQPGSQVVKLPFVNFMRHAG  
 TTFLNAYTNSPICPSRAAMWSGLFTHLTSWNNFKGLDPNYTTWMDIMEKHGYQTQKFGKVDYTSGHHS  
 ISNRVEAWTRDVAFLLRQEGRPIINLIPDKNRRRVMTKDWQNTDKAIEWLRQVNYTKPFVLYLGLNLPH  
 YPSPSSGENFGSSTFHTSLYWLEKVAYDAIKIPKWLTSQMHPVDFYSSYTKNCTGKFTENEIKNIRAFY  
 YAMCAETDAMLGEIILALHKL DLLQKTIVITYSDHGEMAMEHRQFYKMSMYEASVHVPLMMGPGIKANL  
 QVPSVSVSLVDIYPTMLDIAGIALPPNLSGYSLLTLLSNASANEQAFKFRPPWILSEFHGCNANASTYML  
 RTGQWKYIAYADGASVQPQLFDLSLDPDEL TNIAEFPEITYSLDQKLRSIVNYPKVSASVHQYNKEQFI  
 MWKQSVGQYNSVIAHLRWHQDWQRDPKRYENAIQHWLTAHSSPLASSPTQSTSGSQPTLPQSTSG

**TR**TRPLEQKLI SEEDLAANDILDYKDDDDKV

**Restriction Sites:**

Sgfl-MluI

**Cloning Scheme:**


**ACCN:** NM\_029847

**ORF Size:** 1671 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\\_029847.4](#)

**RefSeq Size:** 3657 bp

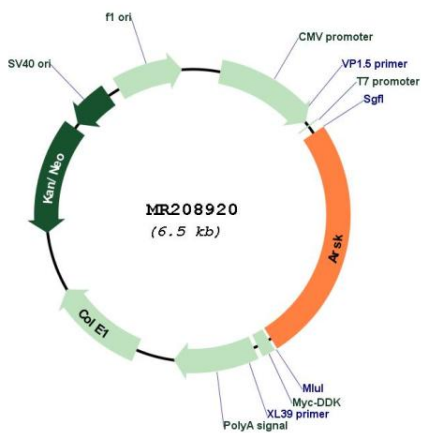
**RefSeq ORF:** 1671 bp

**Locus ID:** 77041

**UniProt ID:** [Q9D2L1](#)

Cytogenetics: 13 C1  
 MW: 63.1 kDa

**Product images:**



Circular map for MR208920