

Product datasheet for **RR203463**

Arsk (NM_001047917) Rat Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Arsk (NM_001047917) Rat Tagged ORF Clone
Tag:	Myc-DDK
Symbol:	Arsk
Synonyms:	RGD1310182
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)



[View online »](#)

ORF Nucleotide Sequence:

>RR203463 representing NM_001047917
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGCATCGCC**

ATGCTGCTGCTGTTGGTTTCAGTGATCGTGGCGTTGGCGCTCGTGGCACCGGCTCCCGAAACACAGGAGA
 AAAGGCTGCAAGTGCCAGGCCCAACGTGGTGGTTCGCCAGTGACTCCTTCGATGGAAGACTAAC
 ATTCCAACCAGGAAGTCAGGTAGTAAAACCTCCCTTCATTAACCTCATGAGAGCAGTGGCACCACCTTC
 CTAATGCCTACACTAATCTCCCATCTGCTGTCCATCACGTGCAGCAATGTGGAGTGGCCTTTTCACTC
 ACTTAACAGAATCTTGAATAATTTAAGGGTCTGGATCCAAATTACACAACATGGATGGATGTCATGGA
 GAAGCATGGCTATCAGACACAGAAATTTGGAAACTGGACTATTCTTCAGGGCATCATTCCATTAGTAAC
 CGTGTGGAAGCATGGACAAGAGACGTTCATTCTTCTGCGACAAGAGGGCAGGCCATAATTAATCTTA
 TCCCTGATAAGAAATAGAAGGAGAGTGATGGACAAGGACTGGCAGAATACAGACAAAGCAATTGCTGGCT
 AAGACAGGTTAACTCCACCAAACATTTGCTCTTACTTGGGATTGAATTTGCCACATCCTTACCCTTCA
 CCATCTTCAGGAGAAAATTTGGCTCTTCTACATTTACACTTCTCTTACTGGCTTGAAAAGGTAGCTT
 ACGATGCAATCAAAATCCCAAAGTGGTGGCTTTGTGAGAAATGCATCCTGTGGATTATTACTCCTCCTA
 CAAAAAACTGCACTGGGAAGTTTACTGAAAATGAAATTAAGAACATTAGAGCATTATTTATGCTATG
 TGTGCTGAGACAGATGCCATGCTAGGTGAAATTTTGGCTCTTCACAAGTAAATCTTCTTACAGAAA
 CTATTGTTATATATACTTCGGACCATGGCGAGATGGCTATGGAACACCGCCAGTTTTACAAAATGAGTAT
 GTATGAAGCTAGTGGCCATGTTCTATTTTGTATGATGGGACCAGGAATTAAGCCCAACCTACAAGTACCA
 AGTCTTGTCTTCTTGTGGATATTTACCCTACTATGCTTGACATGCTGGGATCCCTCTGCCACTGAACC
 TGAGTGGATACTCCTTGTGCCACTGTCGTCAAATACATCTGCAAAATGACCAGGCATTCCAGAGTCCACCA
 TCCACCTTGGATTCTGAGTGAATTCATGGATGCAATGCAATGCTTCCACCTACATGCTGAGAACTGGC
 CAGTGGAAAGTATATAGCCTACTCTGACGGTACTTTGGTACAGCCTCAGCTCTTCGATCTTCACTGGACC
 CAGATGAGCTAACAAACATTGCTACAGAAATTTCCAGAAATTAATTTACTTACTGGACCAGCAGCTTCGTTT
 TGTTATAAACTACCCTAAAGTGCAGCTTCACTCCATCGGTACAATAAAGAGCAGTTTATCATGTGGAAA
 CAAAGCGTAGCACAAAATTACTCAAATATATAGCACACCTTAGGTGGCATCAAGATTGGCAAAAAGACC
 CAAGGAAGTATGAAAATGCAATCCAACGGTGGCTTGAATCCACTCCAGTCCACCAACTCACAGCCCACT
 CTCCTTAGTCCACAGTGGCTCACAAACCTCTCTCCAATAGCAGTAGACAATAAAAAAACTTTCTCA
 AGCTATACA

ACGCGTACGCGGCGGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
 ACAAGGATGACGACGATAAGGTTTAA

Protein Sequence:

>RR203463 representing NM_001047917
 Red=Cloning site Green=Tags(s)

MLLLLVSIVIVALALVAPAPETQEKRLQVAQAPNVVLVSDSFDGRLTFQPGSQVVKLPFVINFMRARGTTF
 LNAYTNSPICPSRAAMWSGLFTHL TESWNNFKGLDPNYTTWMDVMEKHGYQTQKFKGLDYSSGHHSISN
 RVEAWTRDVAFLLRQEGRP IINLIPDKNRRRVMDKDWQNTDKAIAWLRQVNSTKPFVLYLGLNLPHPYPS
 PSSGENFGSSTFHTSLYWLEKVAYDAIKIPKWLALSEMHPVDYSSYTKNCTGKFTENEIKNIRAFYYAM
 CAETDAMLGEIILALHKLNLLQKTIVIIYSDHGEMAMEHRQFYKMSMYEASAHVPIILMMGPGIKANLQVP
 SLVSLVDIYPTMLDIAGIPLPLNL SGYLLPLSSNTSANDQAFRVHPPWILSEFHGCNANASTYMLRTG
 QWKYIAYS DGTLVQPQLFDLSLDPDEL TNIA TEFPEITYSLDQQLRSVINYPKVSASVHRYNKEQFIMWK
 QSVAQYNSNYIAHLRWHQDWQKDPKRYENAIQRWLAIHSSPPTH SPSLVHQWLTTHSSPIAVDNKKTFS
 SYT

TRTRPLEQKLI SEEDLAANDILDYKDDDDKV

Restriction Sites:

Sgfl-MluI

Cloning Scheme:


ACCN: NM_001047917

ORF Size: 1689 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_001047917.1](#), [NP_001041382.1](#)

RefSeq Size: 1692 bp

RefSeq ORF: 1692 bp

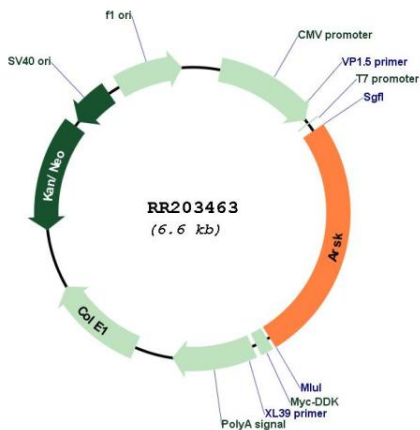
Locus ID: 365619

UniProt ID: [Q32KJ2](#)

Cytogenetics: 2q11

MW: 64.3 kDa

Product images:



Circular map for RR203463