

Product datasheet for **MR224171**

Arsi (NM_001038499) Mouse Tagged ORF Clone

Product data:

| | |
|---------------------------|--|
| Product Type: | Expression Plasmids |
| Product Name: | Arsi (NM_001038499) Mouse Tagged ORF Clone |
| Tag: | Myc-DDK |
| Symbol: | Arsi |
| Synonyms: | BC020108 |
| Mammalian Cell Selection: | Neomycin |
| Vector: | pCMV6-Entry (PS100001) |
| E. coli Selection: | Kanamycin (25 ug/mL) |



[View online »](#)

ORF Nucleotide Sequence:

>MR224171 representing NM_001038499
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGGATCGCC**

ATGCATGTCTCTCAGGATTCTCCCTGGTCAGCCTACTCAGTTGGGCTACCTGTCTGGGATTGGGCTA
 AGCCCGGCTTGTGGCTGATGGGCTGCCGAGGCTGGCGATCAGCCTTCGGTGGCTCCACCGCAGCCTCC
 ACACATTATCTTCATCCTCACCGACGACCAAGGGTACCACGACGTGGGATACCATGGCTCGGATATCGAG
 ACCCAACGCTGGACCGCTAGCAGCTGAGGGCGTCAAAGTGGAGAATTATTACATCCAGCCCATATGTA
 CACCTTCGAGGAGTCACTCCTCACCGGACGTTACCAGATCCATACAGGATTGCAGCACTCCATTATCCG
 CCCACGGCAGCCCACTGTCTGCCCTGGACCAGGTGACGCTGCCCCAGAAGCTACAGGAGGCGAGCTAC
 TCCACCCACATGGTGGGCAAGTGGCATCTGGGCTTCTACCGAAGGAGTGTTCCTACCCGCCGGGGCT
 TCGACACCTTCTGGGTTCCCTCACAGGCAATGTGGATTACTACACCTACGACAAGTGTGATGGCCAGG
 GGTGTGGGTTTACCTGCACGAGGGTGAAGCGTGGCTGGGGCTCAGCGGCCAGTACTCCACTATG
 CTCTACGCTCAGCGTGAAGCCACATCCTGGCCAGCCACAATCCCAGAAATCCCCTCTTCTCTATGTGG
 CCTCCAGGCAGTACACACGCCCCACAGTACCTCGAGAATACCTATACCGCTACCGCAGGATGGGCAA
 CGTAGCACGGCGCAAGTACGACGACCATGGTGACCTGCATGGACGAGGCTGTGCGTAAATCACCTGGGCC
 CTCAAGCGCTATGGTTTCTATAACAACAGTGTCTTCTTCCAGTGAACAATGGTGGCCAGACCTTCT
 CAGGGGTAGCAACTGGCCCTTCGAGGACGCAAGGGTACTTACTGGGAAGTGGTGTGAGGGGCCCTGGG
 TTTTGTCCACAGCCACTGCTCAAGAAAAGAGACGGACAGTCCGGCCCTGGTCCATATCACAGACTGG
 TACCAACACTGGTGGTCTGGCAGGCGGTACTACATCAGCAGCTGATGGGCTGGATGGCTATGATGTAT
 GGCCAGCCATTAGTGAAGGCGGGCTCACCACGACAGAGATCTACACAACATCGACCCCTCTACAA
 CCATGCCCGGCATGGATCCTTGGAGGGTGGCTTTGGGATCTGGAATACAGCAGTGCAGGCTGCTATCCGA
 GTTGGGGAGTGAAGCTGCTCACTGGAGACCCAGGCTATGGTGAAGTGGATTCCACCTCAGACACTGGCCT
 CCTTCCCTGGCAGCTGGTGAACCTGGAGCGGATGGCCAGCATCCGCCAGGCTGTGTGGCTCTTTAACAT
 CAGTGCTGACCTTACGAACGAGAGGACCTGGCTGGCCAGCGACCCGATGTAGTCCGACCCCTTCTGGCT
 CGCCTGGCTGATTATAACCGTACTGCCATCCCCGTGCGTTACCCAGCTGCGAACCTCGGGCCATCCTG
 ACTTTAATGGGGTGTCTGGGGCCCTGGGCCAGTGAGGAGGAGGAAGAGGAGGAGGAAGAGGAGGA
 AGGAGAGCTAGAAGTTCTCCCGGGTCCCGCAAGAAGAAATGCAAGATTTGCAAGCTTCGATCTTTT
 TTCGTAAGTCAATACCAGGCTGATGTCCACCGGATC

ACGCGTACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
 ACAAGGATGACGACGATAAGGTTTAA

Protein Sequence:

>MR224171 representing NM_001038499
 Red=Cloning site Green=Tags(s)

MHALSGFSLVSLLSLGYLSWDWAKPGLVADGPAEAGDQPSVAPPQPHIIFILTDQGYHDVGYHGSIE
 TPTLDRLLAAEGVKLENYYIQPICTPSRSQLLTGRYQIHTGLQHSIIRPRQPNCLPLDQVTLPLQKLQEAGY
 STHMVGKWHLGFYRKECLPTRRFDFTLGLSTGNVDYYTYDNCDDGPGVCGFDLHEGESVAWGLSGQYSTM
 LYAQRASHILASHNPQNPLFLYVAFQAVHTPLQSPREYLRYRTMGNVARRKYAAMVTCMDEAVRNITWA
 LKRYGFYNNSVIIFSSDNGGQTFSGGSNWPLRGRKGTWEGGVRGLGFVHSPLLLKKRRTSRALVHITDW
 YPTLVGLAGGTTSAADGLDGYDVWPAISEGRASPRTEILHNIDPLYNHARHGSLEGGFGIWNQAAIR
 VGEWKLTLGDPGYGDWIPQTLASFPGSWWNLERMASIRQAVWLFNISADPYEREDLAGQRPDVVRTLLA
 RLADYNRTAIPVRYPAANPRAHPDFNGGAWGPWASEEEEEEEEEEEGRARSFSRGRRRKKKCKICKLRSF
 FRKLNTRLMSHRI

TRTRPLEQKLISEEDLAANDILDYKDDDDKV

Chromatograms:

https://cdn.origene.com/chromatograms/mm9007_f07.zip

Restriction Sites:

Sgfl-Mlul

Cloning Scheme:


ACCN: NM_001038499

ORF Size: 1719 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_001038499.2](#)

RefSeq Size: 1722 bp

RefSeq ORF: 1722 bp

Locus ID: 545260

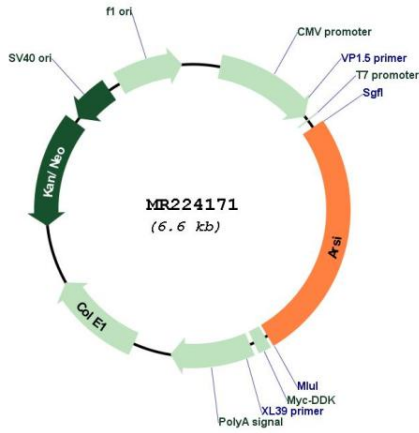
UniProt ID: [Q32KI9](#)

Cytogenetics: 18 E1

MW: 64.8 kDa

Gene Summary: Displays arylsulfatase activity at neutral pH, when co-expressed with SUMF1; arylsulfatase activity is measured in the secretion medium of retinal cell line, but no activity is recorded when measured in cell extracts.[UniProtKB/Swiss-Prot Function]

Product images:



Circular map for MR224171