

Product datasheet for **MR208429**

Arsg (NM_028710) Mouse Tagged ORF Clone

Product data:

| | |
|---------------------------|---|
| Product Type: | Expression Plasmids |
| Product Name: | Arsg (NM_028710) Mouse Tagged ORF Clone |
| Tag: | Myc-DDK |
| Symbol: | Arsg |
| Synonyms: | 6330406P08Rik; AI846872 |
| Mammalian Cell Selection: | Neomycin |
| Vector: | pCMV6-Entry (PS100001) |
| E. coli Selection: | Kanamycin (25 ug/mL) |



[View online »](#)

ORF Nucleotide Sequence:

>MR208429 ORF sequence
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGCATCGCC**

ATGGGCTGGCTCTTTCTAAAGTTTTGTGGTTGGCATGGCTTTTTCTGGATTTTTCTACCTCTCGTGG
 ATTTCTCTATCAGTGGGAAAACAAGAGCCCAACCAACATCGTGATCATTTTGGCTGATGACATGGG
 ATGGGGTGATCTGGGAGCAAACCTGGGCAGAAAACAAGGACACCACCAATCTTGACAAGATGGCTCCGAA
 GGAATGAGGTTTGTAGACTTCCACGCAGCTGCTTCTACCTGCTCCCATCCCGAGCCTCCCTGCTCACTG
 GCCGGTGGTCTACGGAACGGAGTCACGCACAACCTCGCAGTCACTCTGTAGGGGGGCTTCCAGTCAA
 CGAGACCACCTTGGTAGAGGTGCTGCGACAGGAGGTTACGTCACTGCCATGATAGGCAAGTGGCATCTT
 GGGCATCATGGCTCTTATCATCCCAATTTCCGTGGCTTCGATTACTTGGAAATCCCATATAGCAATG
 ACATGGGTTGCACTGATGCTCCAGGCTACAACCTACCTCTTGTCCAGCGTGTCCACAGAGAGATGGCCT
 ATGGAGGAACCTGGGAGGGACTGTTACACAGATGTTGCCCTTCTCTATGAAAACCTGAACATCGTG
 GAGCAGCCTGTGAACCTGAGCGGCTTGCACAGAAGTACGCAGAAAGGGCAGTGGAGTTCATTGAGCAGG
 CAAGCACCACTGGAAGACCCCTTCTGCTCTACGTGGGCCTGGCTCACATGCATGTGCCTTTGTCTGTAAC
 TCCACCATTGGCACACCCACAGCGCAAAGCCTGTACCGTCAAGTCTCCGGGAGATGGACAGTCTGGTA
 GGGCAGATCAAGGACAAAGTTGACCATGTGGCAAGAGAAAACACACTCCTCTGGTTTACAGGAGACAATG
 GCCCATGGGCTCAGAAGTGTGAGCTGGCAGGCAGCGTGGGTCCCTTCTTCGGGTTGTGGCAAACCCATCA
 AGGGGGAAGTCCAACCAAGCAGACCACCTGGGAAGGTGGGCATCGGGTCCAGCACTGGCTTACTGGCCT
 GGCAGAGTCCAGCCAACGTCACTAGCACCGCCTGTTAAGCTTGTAGACATCTTCCCAACCGTCTTTGG
 CTCTGGCAGGACCGACTTGGCCCAACCGGAAATTTGATGGACGGGATGTCTCTGAGGTGCTCTTTGG
 CAAGTACAGATGGGGCACAGGTGCTATTCACCCCAACAGTGGGGCTGCTGGAGAGTATGGCGCCCTG
 CAGACTGTCCGCCTAAACCATTACAAGCTTTCTACATCACTGGTGGAGCCAAAGCTTGTGATGGGAGCG
 TGGGCTCTGAGCAGCACCGTGGCCCTCTCATTTTCAACCTAGAAGATGCTGCTGATGAAGGGATGCC
 TCTACAGAAGGGGAGCCCGAGTACCAGGAGGTGCTGCAGCAGGTACCAGGGCTCTCGCAGATGCTCTC
 CAAGACATCGCTGATGACAACAGCTCCCGAGCAGACTACACTCAGGATCCTTCAGTGATTCTTGTCTGTA
 ACCCCTATCAAACCTACCTGCCGTGCCAACCGGTC

ACGCGTACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
 ACAAGGATGACGACGATAAGGTTTAA

Protein Sequence:

>MR208429 protein sequence
 Red=Cloning site Green=Tags(s)

MGWLFLKVLVGMASGFFYPYLVDFISIGKTRAPQPNIVIIILADDMGWGDLGANWAETKDTTNLDKMASE
 GMRFVDFHAAASTCSPSRASLLTGRLGLRNGVTHNFAVTSVGGGLPVNETTLVEVLRQEGYVTAMIGKWHL
 GHHGSYHPNFRGFDYFIPYSNDMGCTDAPGYNYPACPACQDRDGLWRNPGRDCYTDVALPLYENLNIV
 EQPVNLSGLAQKYAERAVEFIEQASTSGRPFLLYVGLAHMHVPLSVTPPLAHPQRQSLYRASLREMSLV
 GQIKDKVDHVARENTLLWFTGDNGPWAQKCELAGSVGPFGLWQTHQGGSPKQTTWEGGHRVPALAYWP
 GRVPANVTSTALLSLLDIFPTVIALAGASLPPNRKFDGRDVSEVLFGKSQMGRVLFHPNSGAAGEYGAL
 QTVRLNHYKAFYITGGAKACDGSVGPEQHVVAPLIFNLEDAADEGMPLQKGSPEYQEVLLQVTRALADV
 QDIADDNSSRADYTDPSVIPCCNPYQTTCRCQPV

TRTRPLEQKLISEEDLAANDILDYKDDDDKV

Restriction Sites:

Sgfl-MluI

Cloning Scheme:


ACCN: NM_028710

ORF Size: 1578 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_028710.2](#), [NP_082986.2](#)

RefSeq Size: 3292 bp

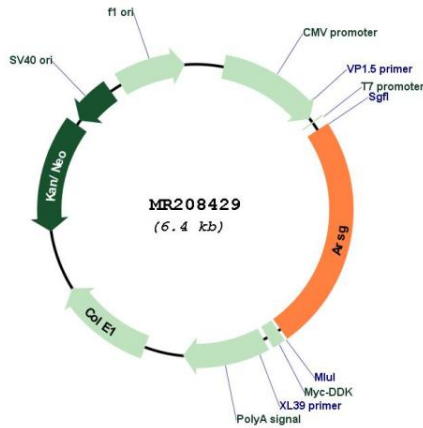
RefSeq ORF: 1578 bp

Locus ID: 74008

UniProt ID: [Q3TYD4](#)

Cytogenetics: 11 E1
MW: 57.5 kDa
Gene Summary: Displays arylsulfatase activity with pseudosubstrates at acidic pH, such as p-nitrocatechol sulfate.[UniProtKB/Swiss-Prot Function]

Product images:



Circular map for MR208429