

Product datasheet for **MG223525**

Arsg (NM_001166177) Mouse Tagged ORF Clone

Product data:

Product Type: Expression Plasmids
Product Name: Arsg (NM_001166177) Mouse Tagged ORF Clone
Tag: TurboGFP
Symbol: Arsg
Synonyms: 6330406P08Rik; AI846872
Mammalian Cell Selection: Neomycin
Vector: pCMV6-AC-GFP (PS100010)
E. coli Selection: Ampicillin (100 ug/mL)
ORF Nucleotide Sequence: >MG223525 representing NM_001166177
Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCC**CGATCGCC**

ATGATTAATAATAGGGGAAGTCCAACCAAGCAGACCACCTGGGAAGGTGGGCATCGGGTTCAGCACTGG
CTTACTGGCCTGGCAGAGTTCAGCCAACGTCCTAGCACCAGCTTGTAAAGCTTGCTAGACATCTTCCC
CACCGTATAGCTCTGGCAGGAGCCAGCTTGCCCCAAACCGAAATTTGATGGACGGGATGCTCTGAG
GTGCTCTTTGGCAAGTACAGATGGGGCACAGGGTCTATTCCACCCAACAGTGGGCTGCTGGAGAGT
ATGGCGCCTGCAGACTGTCGCTAAACCATTACAAAGCTTTCTACATCACTGGTGGAGCCAAAGCTTG
TGATGGGAGCGTGGTCTGAGCAGCACCAGTGGCCCTCTCATTTTCAACCTAGAAGATGCTGCTGAT
GAAGGGATGCCTTACAGAAGGGGAGCCCCGAGTACCAGGAGGTGCTGCAGCAGGTCAACAGGGCTCTCG
CAGATGCTCTCAAGACATCGCTGATGACAACAGCTCCCGAGCAGACTACACTCAGGATCCTTCAGTGAT
TCCTTGCTGTAACCCCTATCAAACCTACCTGCCGTTGCCAACCGGTC

ACGCGTACGCGGCCGCTCGAG - GFP Tag - GTTTAA

Protein Sequence: >MG223525 representing NM_001166177
Red=Cloning site Green=Tags(s)

MIKIGGSPTKQTTWEGGHRVPALAYWPGRVPANVTSTALLSLLDIFPTVIALAGASLPPNRKFDGRDVSE
VLFGKSQMGHRVLFHPNSGAAGEYGALQTVRLNHYKAFYITGGAKACDGSVGPQHHVAPLIFNLEDAAD
EGMPLQKGSPEYQEVLLQVTRALADVLQDIADDNSSRADYTDPSVIPCCNPYQTTCRCQPV

TRTRPLE - GFP Tag - V

Restriction Sites: Sgfl-MluI



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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_001166177.1](#), [NP_001159649.1](#)

RefSeq Size: 1565 bp

RefSeq ORF: 609 bp

Locus ID: 74008

UniProt ID: [Q3TYD4](#)

Cytogenetics: 11 E1

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