

Product datasheet for **MC208146**

Areg (NM_009704) Mouse Untagged Clone

Product data:

Product Type: Expression Plasmids
Product Name: Areg (NM_009704) Mouse Untagged Clone
Tag: Tag Free
Symbol: Areg
Synonyms: AR; Mcub; Sdg; Sdgf
Vector: pCMV6-Entry (PS100001)
E. coli Selection: Kanamycin (25 ug/mL)
Cell Selection: Neomycin
Fully Sequenced ORF: >MC208146 representing NM_009704
Red=Cloning site **Blue**=ORF **Orange**=Stop codon

TTTTGTAATACGACTCACTATAGGGCGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCC**GCGATCGCC**

ATGAGAACTCCGCTGCTACCGCTGGCGCGCTCAGTGCTGTTGCTGCTGGTCTTAGGCTCAGGCCATTATG
CAGCTGCTTTGGAGCTCAATGACCCAGCTCAGGGAAAGGCGAATCGCTTCTGGGGACCACAGTGCCGG
TGGACTTGAGCTTCTGTGGGAAGAGAGTTTCCACCATAAGCGAAATGCCTTCTGGCAGTGAACCTCC
ACAGGGGACTACGACTACTCAGAGGAGTATGATAATGAACCACAAATATCCGGCTATATTAGATGATT
CAGTCAGAGTTGAACAGGTGATTAAGCCCAAGAAAAACAAGACAGAAGGAGAAAAAGTCTACAGAAAAACC
CAAAAGGAAGAAAAAGGGAGGCAAAAAATGGAAAAGGCAGAAGGAATAAGAAGAAAAAGAATCCATGCACT
GCCAAGTTTCAGAACTTTTGCAATTCATGGCGAATGCAGATACATCGAAGAACTGGAGGTGGTGACATGCA
ATTGTCATCAAGATTACTTTGGTGAACGGTGTGGAGAAAAATCCATGAAGACTCACAGCGAGGATGACAA
GGACCTATCCAAGATTGCAGTAGTAGCTGCTACTATCTTTGTCTCTGCCATCATCCTCGCAGCTATTGGC
ATCGGCATCGTTATCACAGTGCACCTTTGGAAACGATACTTCAGGGAATATGAAGGAGAAACAGAAGAAA
GAAGGAGGCTTCGACAAGAAAACGGGACTGTGCATGCCATTGCC**TAG**

ACGCGTACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
ACAAGGATGACGACGATAAGGTTTAA

Restriction Sites: SgfI-MluI
ACCN: NM_009704
Insert Size: 747 bp



[View online »](#)

OTI Disclaimer:	Our molecular clone sequence data has been matched to the reference identifier above as a point of reference. Note that the complete sequence of our molecular clones may differ from the sequence published for this corresponding reference, e.g., by representing an alternative RNA splicing form or single nucleotide polymorphism (SNP).
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:	<ol style="list-style-type: none">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_009704.4 , NP_033834.1
RefSeq Size:	1215 bp
RefSeq ORF:	747 bp
Locus ID:	11839
UniProt ID:	P31955
Cytogenetics:	5 44.78 cM
Gene Summary:	This gene encodes a member of the epidermal growth factor (EGF) family and preproprotein that is proteolytically processed to generate a mature protein product. The encoded protein is a ligand of the epidermal growth factor receptor (EGFR) and has been shown to play a role in immunity, inflammation, tissue repair, and lung and mammary gland development. Homozygous knockout mice for this gene exhibit impaired immune system regulation in the skin and gene expression changes characteristic of chronic liver damage. [provided by RefSeq, Aug 2015]