

## Product datasheet for **RN209258**

### **Alas1 (NM\_024484) Rat Untagged Clone**

#### **Product data:**

Product Type:	Expression Plasmids
Product Name:	Alas1 (NM_024484) Rat Untagged Clone
Tag:	Tag Free
Symbol:	Alas1
Synonyms:	ALAS
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
Cell Selection:	Neomycin



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**Fully Sequenced ORF:** >RN209258 representing NM\_024484  
 Red=Cloning site Blue=ORF Orange=Stop codon

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC  
 GCC**CGGATCGCC**

ATGGAGACTGTCGTTTCGAGATGCCATTCTTATCCCAGTCCCTCAGGCCTTTCTGCAGAAGGCAGGGA  
 AATCTCTGCTGTTCTATGCTCAAACTGCCCAAGATGATGGAAGTCGGGGCCAAGCCGGCTCCTCGGAC  
 CGTGTCCTTTCAGCAGCACAGTCCAGCAGGTCAAAGAAACCCCTCCAGCCAATGAGAAAGAGAAAAT  
 GCCAAAGCCGAGTCCAGCAGGCTCCTGACGAGTCCAGATGGCAGACTCCAGACGGCACACAGCTCC  
 CGCCTGGACACCCGTCACCCTCTACAAGCCAGAGCTCTGGGAGCAAGTCCCTTTCTGGCAGCACAGT  
 GAGCCAGACGGGAGCAGCTCTCCGCAAGGCCAGTCTGGAGCTTCAGGAGGACGTGCAGGAAATGCAT  
 GCTGTGAGGAAAGAGTTGCTCAAAGCCAGTCTCCCGAGTGGTCAATGCAAAAAGGGATGGAGAAG  
 GTCCAAGCCACTGCTGAAGAACTCCAGGACATCATGAGAAAGCAAAGGCCAGAAAGAGTGTCTCATCT  
 TCTTCAGGATAACTTGCCAAAGTCGGTTCCACTTTTCAATATGATCATTCTTTGAGAAGAAAATTGAC  
 GAGAAAAAAAATGACCACACCTACCGAGTTTTTAAACTGTGAACCGGAGAGCACAGATCTCCCTATGG  
 CAGATGACTACACGGACTCCCTCATACCAAAAAGCAGGTGTCGGTCTGGTGCAGCAACGACTATCTAGG  
 CATGAGTCGACACCCACGGGTGTGTGGGCGTCATAGAGACTGTGAAACAGCATGGTGCAGGAGCAGGT  
 GGAAGTAGAAATATTTCTGGAACGAGCAAGTCCATGTGGAACGGAGCAGGAGCTGGCTGACCTCCAGC  
 GCAAGGACGCGGCGCTCTTGTCTCTTCTGCTTCGTGGCCAACGACTCCACTCTTCCACCCTGGCTAA  
 GATGATGCCAGGCTGTGAAATTTACTCTGATTCGGGAACCATGCCTCCATGATCCAAGGGATTGCAAC  
 AGTCGAGTGCCAAAGTATATCTCCGCCACAATGATGTCAACCATCTCAGAGAACTGTTGCAGAGATCCG  
 ACCCTCGGTCCCAAGATCGTAGCATTGCAAACTGCCATTCAATGGATGGAGCAGTGTGCCCTGGA  
 AGAGCTGTGTGATGTGGCCCATGAGTTTGAGCGATCACGTTTGTGGACGAGGTCCATGCAGTAGGGCTC  
 TATGGGGCTTCAGGTGGAGGGATCGGTGATCGGGATGGAGTCATGCCAAAAATGGACATCATTTCTGGAA  
 CACTCGGTAAAGCGTTTCGGCTGTGTTGGAGGATACATTGCCAGCAGGTTTGTGATCGACACCGTCCG  
 GTCCTACGCTGCGGGCTTCATCTTACCACCTCCCTGCCACCAATGCTGCTGGCTGGAGCCCTGGAGTCT  
 GTGCGGATCCTGAAGAGCAATGAGGGACGTGCCCTTCGCCGCCAGCACCAGCGCAATGTCAAGCTTATGA  
 GGCAGATGCTAATGGACGCTGGCTCCAGTCCACTGCCCCAGCCACATCATCCCTGTGCGGGTTGC  
 CGATGCTGCTAAAAACACAGAAATCTGTGATGAGTTGATGACCAGGCATAATATCTACGTCAGGCCATT  
 AATTACCAACAGTGCCTCGTGGGAGGAGCTCCTCCGGATCGCCCCACCCGACCCACACACCCGAGA  
 TGATGAATTTCTCCTAGAGAAGCTGCTGCTCAGTGGAAGCGAGTCGGGCTGGAAGTGAAGCCACATTC  
 GTCAGTGAATGCAACTTCTGCAGGAGGCCCTTCACTTCGAAGTGTGAGCGAGAGAGAAAGCCTAT  
 TTCTCAGGCATGAGCAAGATGGTGTCTGCCAGGCC**TGA**

**ACGCGT**ACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAATGATATCCTGGATT  
 ACAAGGATGACGACGATAAGGTTTAA

- Restriction Sites:** SgfI-MluI
- ACCN:** NM\_024484
- Insert Size:** 1929 bp
- 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:**

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\\_024484.2](#), [NP\\_077810.2](#)

**RefSeq Size:** 2178 bp

**RefSeq ORF:** 1929 bp

**Locus ID:** 65155

**UniProt ID:** [P13195](#)

**Cytogenetics:** 8q32