

Product datasheet for **RN209949**

Alox12 (NM_001105798) Rat Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Alox12 (NM_001105798) Rat Untagged Clone
Tag:	Tag Free
Symbol:	Alox12
Synonyms:	12-LO; 12S-LOX
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
Cell Selection:	Neomycin



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Fully Sequenced ORF: >RN209949 representing NM_001105798
 Red=Cloning site Blue=ORF Orange=Stop codon

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGATCGCC**

ATGGGCCCTACCGCTCCGCTGGTCACTGGCCCTGGCTCTTCTCGGGATCCGTCACCTGGTGCCTC
 TGTGGCTGGTCGGGGCGCACAGGGAGGCGAGGCTGGAGCTGCAGCTGCGGCCAGCGGGCAAGGAGGA
 GGAGTTTGATTCGATGTTGCCGAGGACTTGGGGCCACTGCAGTTCGTGAACTGCACAAAGAGCACACA
 GTTGTGGACGACGCTGGTTCTGCAACCTCATCACAGTTCAGGGGCCCGGGATGAGCGCAGAGGCCGTCT
 TCCCTGCTACCGCTGGGTGCAGGGAGAAGGAATCCTGAGACTGCCGGAGGGGACAGCCGCTCTGGCAGG
 AGACAATGCCTGGATGTCTCCAGAAGCATCGAGAGAAGGAAGTGAAGGAAAGACAACAGACCTACCGC
 TGGCCACCTGGAAGCAAGGCTTACCTCAGACAATAGCAGCAGACTGTAAGGATGACCTCCCTCAAACA
 TGAGATTCATGAGGAGAAGAGACTGGACTTTGAATGGACGCTGAAGCGGGGGTCTGGAAATGGCCCT
 CAAACGTGTTTATACCCTCCTGAGAAGCTGGAACCGTCTGGAAGACTTTGATCAGATCTTCTGGGCCAG
 AAGAGTGCCTGGCTGAGAAGGTTACCCGGTGTGGCAGGAAGATGAGCTCTTGGCTACCGATTTCTCA
 ATGGCGCAACCCCATGCTGTTGAGACGCTCCACCTCTCTGCCCTCCAGACTGGTACTGCCCCCTGGGAC
 AGAGGAGCTTCAAGCGCAGCTGGAGAAAGAACTCAAGGATGGATGCCTGTTGAGGCTGACTTTATCCTG
 CTGGATGGAATTCAGCTAATGTGATCCGAGGAGAACAGCAGTACCTGGCTGCCCTCTTGTGATGTTGA
 GGATGGACCCAGTGGGAAGCTGCTCCCATGGCTATCCAGATTCAGCCTCCCAATCCAGCTCCCAAGC
 TCCAACATTGTTCTGCCCTCAGATCCTCCACTGCCTGGCTCTGGCTAAGATCTGGTCCGAAATTCAG
 GATTTCCAAGTGCAGGAGCTCCAATCCATTTGCTGAACACTCATCTGGTGGCTGAGGTCATTGCTGTTG
 CCACCATGAGGTGCCTCCAGGACTACACCTATCTTTAAGCTCCTAGTCCGCACATCCGTTACACTAT
 GGAAATTAACACACGGAGCCGGACCCAGCTCATCTCAGATGGAGGGATATTTGATCAGGTAGTGAGCACA
 GGTGGAGGCGCCATGTTGAGTCTCACTCGGGCAGTGGCTCAGCTGACGTACTGCTCCCTCTGTCCCTC
 CCGATGATCTGGTACCCGAGGCCTGCTGAGAGTCCCAAGTGCCTCTACGCTCAGGATGCTTTGACGCT
 CTGGGAGGTCAGTCCAGGTATGTGAACGGGATGGTCCATCTCTTCTACCAGAGTGACGATATTGTGAGG
 GGAGACCCAGAGCTGCAGGCTGGTGTCCGGAGATCACTGAGGTGGGCTGTGCCATGCCAGGACAGAG
 GATTCCCTGTCTCCTCCAGTCCCGGGCACAGCTGCCATTTCCCTACCAGTGTGTTTTCACATGTAC
 TTCCAGCATGCTGCCATCAACCAGGGCCAGCTGGACTGGTACGGTGGGTACCTAATGCTCCATGCACA
 ATGAGGATGCCTCCCAACCAGCAAGGACGATGTGACGATGGAGACCATCATGGGCTCACTCCCTGATG
 TTCAGAAGTCTGTCTGAGATGACCATCACATGGCACCTGGGCCGCTCCAGCCAGACATGGTACCTCT
 AGGACACCACAAAGAAAAGTATTTCTCAGACCCAAAGACAAAGCTGTGCTCAGCCAATTTCAAGCAGAT
 CTGGAAAATTTGGAGAAAGAGATTACAGCCCGGAACCAGCAGCTTGACCTGCCCTACGAATACCTCAAGC
 CTAGCCGTATAGAGAACAGCATCACCAT**TGA**

ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
 ACAAGGATGACGACGATAAGGTTTAA

- Restriction Sites:** Sgfl-MluI
- ACCN:** NM_001105798
- Insert Size:** 1992 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_001105798.1](#), [NP_001099268.1](#)

RefSeq Size: 2839 bp

RefSeq ORF: 1992 bp

Locus ID: 287454

Cytogenetics: 10q24