

Product datasheet for **RN205342**

Alox15b (NM_153301) Rat Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Alox15b (NM_153301) Rat Untagged Clone
Tag:	Tag Free
Symbol:	Alox15b
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
Cell Selection:	Neomycin



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Fully Sequenced ORF: >RN205342 representing NM_153301
 Red=Cloning site Blue=ORF Orange=Stop codon

TTTTGTAATACGACTCACTATAGGGCGGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGATCGCC**

ATGGCTAAATTCAGGGTGAAGATATCCACCGGGGAGGCCTGTGGGCAGGCACATGGGACAAAGTGTCTG
 TCAGCATCGTGGGAACCCATGGAGAGAGCCCTTAGTACCTCTGGACCATCTGGCAAGGAGTTCAGCGC
 TGGAGCTGAAGAAGACTTCGAGGTGACGCTTCCCCAGGACGTTGGCACTGTGCTGATGCTGCGAATACAC
 AAGGCACCCCGGAGGCACCCCTCCACTTCTGTCTTTCCACCTGATGCCTGGTACTGCCGCTGGTTTG
 AGCTGGAGTGGCTGCCGGGGGCTGCACTTCGTTCCCTGTTATCAGTGGCTGGAAGGGGACGGGAGCT
 GGTGCTGAGAGAGGGAGCAGCCAAGGTGCTCGGCAAGACCACCACGTCGCTGCAGGATCAGCGCCAG
 AAGGAGCTGGAGTCCAGGAAGGACATGTACAGCTGGAAGACTTACATTGAAGTTGGCTCACTGCCTTG
 ACCATGAGACCGTAAAGACTTGGACCTCAACATCAAGTACTCTGCAATGAAGAAGCCAAATCTTCTT
 TAAAGCCAGTCTGCGTTTACAGAGCTGAAATTCAAAGGGCTCCTGGACCGCACAGGACTCTGGAGGAGT
 CTGAGGGAGATGAAAAGGATGTTAACTCCACAACACTCCAGCAGCAGAGTATGTGTTGCACACTGGC
 AGGAAGATGCCTTCTCGCCTCCAGTTCTAAATGGCCTCAACCCAGTTCTGATTCCGCCGCTGTGCGAG
 ACTCCCAGAGAACTTCCAGTCACTGATGAAATGGTGGCTCCAGTGTGGCCCTGGGACCAGTCTGCGAG
 GCTGAGTTAGAGAAGGGCTCCCTGTTCTTGGTGGACCATGGAATCTTTCTGGAGTGAAACCAATGTCA
 TCAATGGAAGCCTCAGTTCTCAGCAGCCCGATGACCTATTATACCAGAGTCCAGGGTCCGGACCCCT
 GCTTCCCATCGCCATACAGCTCAAACAGACTCCCGGGCCAGACAACCCCATCTTCTGCCAGCGATGAC
 AAGTGGGACTGGTACTGGCCAAGACCTGGGTGCGCAACGCTGAGTTTCCATCCAGGAGCTCTCACGC
 ATCTGCTGCATGCCACCTGATCCAGAAGTCTTTGCCCTTGCCACACTGCGCCAGCTGCCCACTGTCA
 CCCTCTTCAAGCTGCTGATTCCTCACACTCGGTACACACTGCACATCAACACACTCGCCCGTGAGCTG
 CTATTGCCCTGGGAAGGTGGTGGACAAGTCCACAGGCCTTGGCATTGGGGATTCTCTGACCTGATAA
 AGAGAAACATGGAGCAGCTGAGCTATTCTGTCTCCCTGAAGATATCCGAGCCCGAGATGTGGG
 AGACCTCCAGGATACTATTACCGAGATGATGGGATGCAGATCTGGAGTGAATAAGGAGCTTCGTCTCT
 GAGATAGTTGACATCTATTACCAAGTGACGCATCTGTCCGAGATGACCAAGAGCTCCAGGCCTGGGTG
 GGGAGATCTTCTGAGGGCTTCTCAGCCAAGAAAGCTCAGGTATGCCCTCCTGTTGGATACCCAGGA
 AGCCCTGGTCCAATATGTTACCATGGTATTCACCTGCTCAGCCAAGCATGCAGCTGTCAGTGAAGC
 CAGTTTGACTCGTGTGTTGGATGCCAATCTGCCACCTCCATGCAGCTACCACCACCTACTTCCAAG
 GCCAGGCAAGCCCTGAGGGTTTCATAGCCACACTCCAGCAGTCAATGCCACATGTGATGTCATCATCGC
 CCTCTGGCTGCTAAGCAAGGAGCCAGGGGACCGTAGGCCCTGGGCCACTATCCAGATGAGCACTTCA
 GAGGAGTCCCACGGCGGAGCATCGCGGCTTCCAGAGAAAGCTGATCCAGATATCCAGTGGCATCAGGA
 AGAGGAACCAAAGCCTGGCACTGCCCTACACCTACCTGGATCCTCCCCTCATCGAGAACAGTGTCTCCAT
CTAA

ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
 ACAAGGATGACGACGATAAGGTTTAA

- Restriction Sites:** SgfI-MluI
- ACCN:** NM_153301
- Insert Size:** 2034 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_153301.2](#), [NP_695213.1](#)

RefSeq Size: 2062 bp

RefSeq ORF: 2034 bp

Locus ID: 266604

UniProt ID: [Q8K4F2](#)

Cytogenetics: 10q24

Gene Summary: human homolog is an epidermis-type lipoxygenase and member of the multigene family of mammalian lipoxygenases [RGD, Feb 2006]