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Product datasheet for MC220562

Alox12b (NM_009659) Mouse Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Alox12b (NM_009659) Mouse Untagged Clone
Tag:	Tag Free
Symbol:	Alox12b
Synonyms:	12R-; 12R-LOX; Alo; Aloxe2; e-LO; e-LOX2
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
Cell Selection:	Neomycin

View online »

Fully Sequenced ORF:

>MC220562 representing NM_009659
Red=Cloning site Blue=ORF Orange=Stop codon

TTTTGTAATACGACTCACTATAGGGCGGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCCGCGATCGCC

ATGGCCACCTATAAAGTCAAGGTGGCCACGGGCACTGACTTCTTTTCGGGGACGCTGGATTCAATTTCAC
TGACCATCGTGGGGACCCAAGGAGAGAGCCATAAGCAGCGGTTGAACCACTTTGGGAGAGACTTTGCCAC
GGGGGCGGTGGATGACTACACGGTACAGTGCCAGCAGGACCTGGGGGAGCTTATCATCATCCGTCTGCAC
AAGGAGCCTCATTCCTTCCTAGCCAAGGACCCCTGGTACTGCAACTATGTGCAGATCTGTGCTCCCGACT
GCCGTGTCTACCACTTCCCAGCTTACCAGTGGATGGATGGCTATGAGACCCTGGCACTCCGGGAGGCCAC
AGGAAAGATAACAGCAGACGACACACTCCCTATCCTTTTGGAACACAGACAAGAAGAGATCAGAGCCAAG
AAGGACTTCTACCACTGGAGGGTCTTTGTTCCTGGCCTTCCCAACTATGTGGATATCCCCAGTTACCATC
CTCCTCCCCGACGGTGCCGCAATCCCAACCGGCCTGAGTGGGATGGTTATATTCCCGGATTCCCAATTCT
CATCAACATTAAGGCTACCAGGTTCTTAAACTCAAATCTTCGTTTCTCCTTCGTCAAGACAGCCTCCTTC
TTCTACCGCCTAGGGCCCATGGCGCTGGCCTTCAAACTGCGTGGCCTGGTGGATCGAAAACGCTCCTGGA
AGAGACTAAAGGACATTAAGAATATTTTCCCTGCTACCAAGTCTGTCGTCTCAGAGTATGTGGCCGAGCA
CTGGACAGAGGACAGCTTCTTTGGGTACCAGTACCTTAATGGTATTAACCCAGGCCTGATCCGAAGATGT
ACACAGATCCCAGACAAATTCCCAGTCACAGATGAAATGGTGGCCCCATTCCTGGGTGAAGGAACATGCC
TGCAAGCAGAGCTGGAGAGGGGGAATATTTACCTGGCAGACTACCGCATCCTGGATGGCATCCCCACCGT
GGAGCTCAATGGTCAGCAGCAGCATCACTGTGCCCCGATGTGCTTGCTGCACTTTGGTCCTGATGGCAAC
ATGATGCCCATCGCCATTCAGCTCAGTCAGACTCCTGGGCCTGATTGTCCTATCTTCCTGCCGAATGATT
CTGAGTGGGACTGGCTGTTGGCTAAAACGTGGGTGCGCTACGCGGAGTTCTACAGCCACGAGGCCGTGGC
ACACTTGCTGGAGAGCCACCTCATCGGGGAAGCTTTCTGCTTGGCCCTCCTGAGGAACCTGCCCATGTGC
CACCCCCTGTATAAGCTTCTCATCCCTCACACTCGGTACAACGTCCAGATCAATAGCATTGGGCGGGCCC
TCCTTCTCAACAAGGGAGGTCTCTCTGCCAGGGCCATGTCCCTGGGCCTAGAGGGCTTCGCACAGGTGAT
GGTTCGGGGTCTGTCTGAGCTCACCTACAAAAGCCTCTGCATTCCCAACGACTTTGTGGAGCGCGGGGTC
CAGGACCTGCCTGGGTATTATTTCCGTGATGACAGCCTGGCGGTGTGGTACGCGATGGAGAGGTACGTGA
CAGAGATCATCACTTATTATTACCCAAATGACGCAGCCGTAGAGGGCGACCCGGAACTGCAGTGCTGGGT
ACAGGAGATATTCAAGGAGTGTCTCCTGGGGCGTGAGAGCTCAGGCTTCCCCACCTGCTTGCGAACTATA
CCTGAGCTGATCGAATACGTCACAATGGTCATGTACACCTGCTCGGCCAGGCATGCAGCTGTCAACTCAG
GCCAGCTGGAGTACACCTCTTGGATGCCCAACTTCCCATCATCCATGAGGAACCCACCGATGCAGACCAA
GGGGCTAACTACTCTGCAGACATACATGGACACTCTTCCGGACGTGAAGACCACATGCATTGTGCTCTTG
GTGCTCTGGACTCTCTGTCGGGAGCCTGATGACAGGCGGCCGCTTGGCCACTTCCCAGACATCCATTTTG
TGGAGGAGGGTCCTCGGAGGAGTATTGAGGCTTTTCGTCAGAACCTCAACCAGATCTCTCACAACATCCG
ACAGCGCAATAAGTGCCTCACCCTCCCGTACTACTACCTGGACCCAGTGCTGATTGAGAACAGTATTTCC
ATCTAG

ACGCGTACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
ACAAGGATGACGACGATAAGGTTTAA

Restriction Sites: SgfI-MluI

ACCN: NM_009659

Insert Size: 2106 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_009659.2, NP_033789.1
RefSeq Size:	2347 bp
RefSeq ORF:	2106 bp
Locus ID:	11686
UniProt ID:	O70582
Cytogenetics:	11 42.38 cM
Gene Summary:	This gene encodes an enzyme involved in the conversion of arachidonic acid to 12R-hydroxyeicosatetraenoic acid. Mutations in this gene can prevent the formation of the epidermal permeability barrier and cause an ichthyosiform phenotype. [provided by RefSeq, Sep 2015]