

Product datasheet for **MC207223**

Alox5ap (NM_009663) Mouse Untagged Clone

Product data:

Product Type: Expression Plasmids
Product Name: Alox5ap (NM_009663) Mouse Untagged Clone
Tag: Tag Free
Symbol: Alox5ap
Synonyms: Flap
Vector: pCMV6-Entry (PS100001)
E. coli Selection: Kanamycin (25 ug/mL)
Cell Selection: Neomycin
Fully Sequenced ORF: >MC207223 representing NM_009663
Red=Cloning site Blue=ORF Orange=Stop codon

TTTTGTAATACGACTCACTATAGGGCGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCC**GCGATCGCC**

ATGGATCAAGAGGCTGTGGCAACGTTGTGCTCCTGGCCCTTGTCACCCTCATCAGCGTGGTCCAGAATG
CGTTCTTTGCCACAAGGTGGAGCATGAAAGCAAGGCGCATAATGGGAGAAGCTTCCAGAGGACCGGGAC
TCTTGCCTTTGGCGGGTCTACTGCAACCAGAACTGCGTAGATGCGTACCCACTTTCTTGTGGTA
CTCTGGACTGCAGGACTACTTTCAGCCAAAGTCCCTGCCGCTTCGCCGGACTGATGTACCTGTTTGTGA
GGCAAAAATACTTGTGCGCTATCTGGGAGAGAGAACTCAGAGCACCCCTGGCTACATCTTCGGCAAGCG
GATCATCTGTTCTTCTCATGTCTTCGCCGGGATACTCAACCATTACCTCATCTTCTTTCGGGA
AGCGACTTTGAGAACTACATCAGAACGGTAAGCAGCAGCATCTCCCCGCTGCTTCTATCCCC**TGA**

ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAATGATATCCTGGATT
ACAAGGATGACGACGATAAGGTTTAA

Restriction Sites: Sgfl-MluI
ACCN: NM_009663
Insert Size: 486 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).



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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:	<u>NM_009663.2</u> , <u>NP_033793.1</u>
RefSeq Size:	1031 bp
RefSeq ORF:	486 bp
Locus ID:	11690
UniProt ID:	<u>P30355</u>
Cytogenetics:	5 G3
Gene Summary:	Required for leukotriene biosynthesis by ALOX5 (5-lipoxygenase). Anchors ALOX5 to the membrane. Binds arachidonic acid, and could play an essential role in the transfer of arachidonic acid to ALOX5. Binds to MK-886, a compound that blocks the biosynthesis of leukotrienes (By similarity).[UniProtKB/Swiss-Prot Function] Transcript Variant: This variant (1) represents the longer transcript and encodes the longer isoform (1).