

## Product datasheet for **SC331572**

### FLAP (ALOX5AP) (NM\_001204406) Human Untagged Clone

#### Product data:

Product Type:	Expression Plasmids
Product Name:	FLAP (ALOX5AP) (NM_001204406) Human Untagged Clone
Tag:	Tag Free
Symbol:	FLAP
Synonyms:	FLAP
Mammalian Cell Selection:	Neomycin
Vector:	<u>PCMV6-Neo</u>
E. coli Selection:	Ampicillin (100 ug/mL)
Fully Sequenced ORF:	>NCBI ORF sequence for NM_001204406, the custom clone sequence may differ by one or more nucleotides

```
ATGCTCACATTTAATCACGATGCTCCCTGGCATACACAGAAGACTCTGAAAATTCTGAATTTGGGAAAT
CCTTTGGCACCTTGGGGCACATTGGGAACATAAGCCATCAGTGCTGGGCAGGTTGTGCAGCTGGAGGCAG
AGCAGTCTCTCTGGGGAGCCTGAAGCAAACATGGATCAAGAACTGTAGGCAATGTTGCTCTGTTGGCC
ATCGTCACCCATCAGCGTGGTCCAGAATGGATTCTTTGCCATAAAGTGGAGCACGAAAGCAGGACCC
AGAATGGGAGGAGCTTCCAGAGGACCGGAACACTTGCCTTTGAGCGGGTCTACACTGCCAACCAGAACTG
TGTAGATGCGTACCCCACTTTCCTCGTGTGCTCTGGTCTGCGGGGCTACTTTCAGCCAAGTTCCTGCT
GCGTTTGTGGACTGATGTACTTGTGTTGTGAGGCAAAAGTACTTTGTCGGTTACCTAGGAGAGAGAACGC
AGAGCACCCCTGGCTACATATTTGGGAAACGCATCATACTCTTCCTGTTCTCATGTCCGTTGCTGGCAT
ATTCAACTATTACCTCATCTTCTTTTCGGAAGTGACTTTGAAAACACTACATAAAGACGATCTCCACCACC
ATCTCCCCTACTTCTCATTCCCTAA
```

Restriction Sites:	Sgfl-Mlul
ACCN:	NM_001204406
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).



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**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\\_001204406.1](#), [NP\\_001191335.1](#)

**RefSeq Size:** 1242 bp

**RefSeq ORF:** 657 bp

**Locus ID:** 241

**UniProt ID:** [P20292](#)

**Cytogenetics:** 13q12.3

**Protein Families:** Druggable Genome, Transmembrane

**Gene Summary:** This gene encodes a protein which, with 5-lipoxygenase, is required for leukotriene synthesis. Leukotrienes are arachidonic acid metabolites which have been implicated in various types of inflammatory responses, including asthma, arthritis and psoriasis. This protein localizes to the plasma membrane. Inhibitors of its function impede translocation of 5-lipoxygenase from the cytoplasm to the cell membrane and inhibit 5-lipoxygenase activation. Alternatively spliced transcript variants encoding different isoforms have been identified for this gene. [provided by RefSeq, Feb 2011]

Transcript Variant: This variant (2) has an alternate 5' sequence which includes an upstream in-frame AUG start codon, as compared to variant 1. The resulting isoform (2) is longer at the N-terminus, as compared to isoform 1.