

## Product datasheet for **SC207745**

### 15 Lipoxygenase 2 (ALOX15B) (NM\_001141) Human 3' UTR Clone

#### Product data:

**Product Type:** 3' UTR Clones  
**Product Name:** 15 Lipoxygenase 2 (ALOX15B) (NM\_001141) Human 3' UTR Clone  
**Vector:** pMirTarget (PS100062)  
**Symbol:** ALOX15B  
**Synonyms:** 15-LOX-2  
**ACCN:** NM\_001141  
**Insert Size:** 599 bp  
**Insert Sequence:** >SC207745 3'UTR clone of NM\_001141  
The sequence shown below is from the reference sequence of NM\_001141. The complete sequence of this clone may contain minor differences, such as SNPs.  
**Blue**=Stop Codon **Red**=Cloning site

```
GGCAAGTTGGACGCCCGCAAGATCCGCGAGATTCTCATTAAAGCCAAGAAGGGCGGAAAGATCGCCGTG
TAACAATTGGCAGAGCTCAGAATTCAAGCGATCGCC
CCCCTCATCGAGAACAGCGTCTCCATCTAAATCCCAGGGGAACACAGGCCAGATGACATCCCTTTGAC
CACATCGCTCTAGGATAACTGGCACCCAGAGAAAAGGACTCCTCAGAAAAACAGGCCCCCATGTGCCT
CTCCTGGGACAACCAGACTCTGTAACCTACCCCCACCACCATACACACACAAAAACAGAAACAAAAT
CAAAACAGAGAAAAGCAGAAAATCTACCAAGAACAGAGTCTCAGGACAGAACCACTGAGTCTTTTGGAGG
CTCCAAGCCTCAAAGTGCCCGCAGAGCCACCTTGAGGGTTTTGCTAGTTGGTTTTGTTTTGCGTTTTTA
CAGCCGTGGGGGAAGCACATAATCCCGCCAGGGCCACTAGCATCCACTGATTGGACCTTATGGTC
ACCCAACCTCAAGGACAGCCACCAAGAAGTGGCTGCCAAAGAGACTGGGCGCAGTGGCTCATGCCATAA
TCCCAGCACTTTGGGAGATGGAGGCGGAAAATCATTGAGGTCAGAAGTTCAAGCCAGCCTGGACGA
CATAGCGAGACTCCACCTCTACCAAAAAATAAAAAATAAAAACAAA
ACGCGTAAGCGGCCGCGCATCTAGATTGAAGAAAATGACCGACCAAGCGACGCCAACCTGCCATCA
CGAGATTCGATTCCACCGCCGCTTCTATGAAAGG
```

**Restriction Sites:** SgfI-MluI

**OTI Disclaimer:** Our molecular clone sequence data has been matched to the sequence identifier above as a point of reference. Note that the complete sequence of this clone is largely the same as the reference sequence but may contain minor differences, e.g., single nucleotide polymorphisms (SNPs).

**Components:** The cDNA clone is shipped in a 2-D bar-coded Matrix tube as 10 µg dried plasmid DNA. The package also includes 100 pmols of both the corresponding 5' and 3' vector primers in separate vials.



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RefSeq: [NM\\_001141.3](#)

**Summary:** This gene encodes a member of the lipoxygenase family of structurally related nonheme iron dioxygenases involved in the production of fatty acid hydroperoxides. The encoded protein converts arachidonic acid exclusively to 15S-hydroperoxyeicosatetraenoic acid, while metabolizing linoleic acid less effectively. This gene is located in a cluster of related genes and a pseudogene that spans approximately 100 kilobases on the short arm of chromosome 17. Alternatively spliced transcript variants encoding different isoforms have been described. [provided by RefSeq, Jul 2008]

Locus ID: 247

MW: 22.4