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Product datasheet for SC204114

12 Lipoxygenase (ALOX12) (NM_000697) Human 3' UTR Clone

Product data:

Product Type:	3' UTR Clones
Product Name:	12 Lipoxygenase (ALOX12) (NM_000697) Human 3' UTR Clone
Vector:	pMirTarget (PS100062)
Symbol:	ALOX12
Synonyms:	12-LOX; 12S-LOX; LOG12
ACCN:	NM_000697
Insert Size:	361 bp
Insert Sequence:	>SC204114 3'UTR clone of NM_000697 The sequence shown below is from the reference sequence of NM_000697. The complete sequence of this clone may contain minor differences, such as SNPs. Blue=Stop Codon Red=Cloning site GGCAAGTTGGACGCCCGCAAGATCCGCGAGATTCTCATTAAGGCCAAGAAGGGCGGAAAGATCGCCGTG TAACAATTGGCAGAGCTCAGAATTCAAGCGATCGCC AGCTGCATAGAGAACAGTGTCACCATCTGAGCCCTAGAGTGACTCTACCTGCAAGATTTCACATCAGCT TTAGGACTGACATTTCTATCTTGAATTTCATGCTTTCCTAAAGTCTCTGCTGCTAAGGCTCTATTTCCT CCCCCAGTTAAACCCCCTACATTAGTATCCCACTAGCCCAGGGGAGCAGTAAACTTTCTCTGCAAAGAC TAGATCCTTTTTTACGCTTTGCAGACCGCATAGTCACTGTCTCAACTACTCAGCTCTCCTGCTGCAGCA TGAAGGCAGCCACAGACAACATGGAAATGAGTGTGACTATGTTCCAATAAAACTTTATGGACACTGAGA TATGAATGTTACATCA ACGCGTAAGCGGCCGCGGCATCTAGATTCGAAGAAAATGACCGACCAAGCGACGCCCAACCTGCCATCA CGAGATTTCGATTCCACCGCCGCCTTCTATGAAAGG
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 ug dried plasmid DNA. The package also includes 100 pmols of both the corresponding 5' and 3' vector primers in separate vials.
RefSeq:	NM_000697.3

View online »

Summary: This gene encodes a member of the lipoxygenase family of proteins. The encoded enzyme acts on different polyunsaturated fatty acid substrates to generate bioactive lipid mediators including eicosanoids and lipoxins. The encoded enzyme and its reaction products have been shown to regulate platelet function. Elevated expression of this gene has been observed in pancreatic islets derived from human diabetes patients. Allelic variants in this gene may be associated with susceptibility to toxoplasmosis. Multiple pseudogenes of this gene have been identified in the human genome. [provided by RefSeq, Aug 2017]

Locus ID: 239

MW: 13.3