

ALOXE3 抗原（重组蛋白）

中文名称：ALOXE3 抗原（重组蛋白）

英文名称：ALOXE3 Antigen (Recombinant Protein)

别名：arachidonate lipoxygenase 3; ARCI3; E-LOX; eLOX3; eLOX-3

储存：冷冻（-20℃）

相关类别：抗原

概述：

Fusion protein corresponding to a region derived from 412-711 amino acids of human ALOXE3

技术规格：

Full name:	arachidonate lipoxygenase 3
Synonyms:	ARCI3; E-LOX; eLOX3; eLOX-3
Swissprot:	Q9BYJ1
Gene Accession:	BC104724
Purity:	>85%, as determined by Coomassie blue stained SDS-PAGE
Expression system:	Escherichia coli
Tags:	His tag C-Terminus, GST tag N-Terminus
Background:	This gene is a member of the lipoxygenase family, which are catalyzed by arachidonic acid-derived compounds. The encoded enzyme is a hydroperoxide isomerase that synthesizes a unique type of epoxy alcohol (8R-hydroxy-11R,12R-epoxyeicosa-5Z,9E,14Z-trienoic acid) from 12R-hydroperoxyeicosatetraenoic acid (12R-HETE). This epoxy alcohol can activate the nuclear receptor peroxisome proliferator-activated receptor alpha (PPARalpha), which is implicated in epidermal differentiation. Loss of function of the enzyme encoded by this gene results in ichthyosis, implicating the function of this gene in the differentiation of human skin. This

gene is part of a cluster of lipoxygenase genes on 17p13.1. Mutations in this gene result in nonbullous congenital ichthyosiform erythroderma (NCIE). Multiple transcript variants encoding different isoforms have been found for this gene.