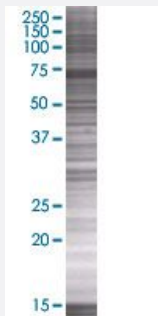


ALOXE3 293T Cell Transient Overexpression Lysate(Denatured)

Catalog # H00059344-T01

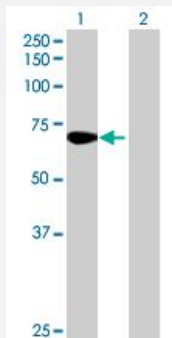
Size 100 uL

Applications



SDS-PAGE Gel

ALOXE3 transfected lysate.



Western Blot

Lane 1: ALOXE3 transfected lysate (78.32 KDa)

Lane 2: Non-transfected lysate.

Specification

Transfected Cell Line	293T
Plasmid	pCMV-ALOXE3 full-length
Host	Human
Theoretical MW (kDa)	78.32
Interspecies Antigen Sequence	Mouse (88); Rat (87)

Quality Control Testing

Transient overexpression cell lysate was tested with Anti-ALOXE3 antibody ([H00059344-B01](#)) by Western Blots.
SDS-PAGE Gel
ALOXE3 transfected lysate.
Western Blot
Lane 1: ALOXE3 transfected lysate (78.32 KDa)
Lane 2: Non-transfected lysate.

Storage Buffer

1X Sample Buffer (50 mM Tris-HCl, 2% SDS, 10% glycerol, 300 mM 2-mercaptoethanol, 0.01% Bromophenol blue)

Storage Instruction

Store at -80°C. Aliquot to avoid repeated freezing and thawing.

Applications

- Western Blot

Gene Info — ALOXE3

Entrez GeneID

[59344](#)

GeneBank Accession#

[BC101938.1](#)

Protein Accession#

[AAI01939.1](#)

Gene Name

ALOXE3

Gene Alias

E-LOX, MGC119694, MGC119695, MGC119696, eLOX3

Gene Description

arachidonate lipoxygenase 3

Omim ID

[242100 607206](#)

Gene Ontology

[Hyperlink](#)

Gene Summary

This gene is a member of the lipoxygenase family, which are catabolized 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-HPETE). 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 ichthyosis for m erythroderma (NCIE). Multiple transcript variants encoding different isoforms have been found for this gene

Other Designations

epidermal lipoxygenase|lipoxygenase-3

Disease

- [Birth Weight](#)
- [Genetic Predisposition to Disease](#)
- [Glioblastoma](#)
- [Glioma](#)
- [Ichthyosiform Erythroderma](#)
- [Leukemia](#)
- [Meningeal Neoplasms](#)
- [Meningioma](#)
- [Neoplasms](#)
- [Ovarian cancer](#)
- [Ovarian Neoplasms](#)