

## ALOX5 抗原（重组蛋白）

中文名称：ALOX5 抗原（重组蛋白）

英文名称：ALOX5 Antigen (Recombinant Protein)

储存：冷冻（-20℃）

相关类别：抗原

概述

Fusion protein corresponding to N terminal 359 amino acids of human ALOX5

技术规格

<b>Full name:</b>	Arachidonate 5-lipoxygenase
<b>Synonyms:</b>	5-LO, 5LPG, LOG5, 5-LOX
<b>Swissprot:</b>	P09917
<b>Gene Accession:</b>	BC130332
<b>Purity:</b>	>85%, as determined by Coomassie blue stained SDS-PAGE
<b>Expression system:</b>	Escherichia coli
<b>Tags:</b>	His tag C-Terminus, GST tag N-Terminus
<b>Background:</b>	This gene encodes a member of the lipoxygenase gene family and plays a dual role in the synthesis of leukotrienes from arachidonic acid. The encoded protein, which is expressed specifically in bone marrow-derived cells, catalyzes the conversion of arachidonic acid to 5(S)-hydroperoxy-6-trans-8,11,14-cis-eicosatetraenoic acid, and further to the allylic epoxide 5(S)-trans-7,9-trans-11,14-cis-eicosatetraenoic acid (leukotriene A4). Leukotrienes are important mediators of a number of inflammatory and allergic conditions. Mutations in the promoter region of this gene lead to a diminished response to antileukotriene drugs used in the treatment of asthma and may also be associated with

atherosclerosis and several cancers. Alternatively spliced transcript variants encoding different isoforms have been found for this gene.