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Product Information

MemDX™ Membrane Protein Human LTC4S (Leukotriene C4 synthase) Full Length

Cat. No.: **MPC1141K**
This product is for research use only and is not intended for diagnostic use.

This product is a 16.5 kDa Human LTC4S membrane protein expressed in Schizosaccharomyces pombe. The protein is for research use only and is not approved for use in humans or in clinical diagnosis.

Product Specifications

Host Species
Human

Target Protein
LTC4S

Protein Length
Full length

Protein Class
Transferase

Molecular Weight
16.5 kDa

TMD
4

Sequence
MKDEVALLAAVTLLGVLLQAYFSLQVISARRAFRVSPPLTTGPPEFERVY
RAQVNCSEYFPLFLATLWVAGIFFHEGAAALCGLVYLFARLRYFQGYARS
AQLRLAPLYASARALWLLVALAALGLLAHFLPAALRAALLGRLRTLLPWA

Product Description

Expression Systems
Schizosaccharomyces pombe

Tag
6xHis tag at C-terminal

Protein Format
Detergent or based on specific requirements

Form

Liquid

Storage

Aliquot and store at -20°C or lower. For long term storage, we recommend to store at -70°C or lower. Avoid freeze/thaw cycles.

Target

Target Protein

LTC4S

Full Name

Leukotriene C4 synthase

Introduction

The MAPEG (Membrane Associated Proteins in Eicosanoid and Glutathione metabolism) family includes a number of human proteins, several of which are involved the production of leukotrienes. This gene encodes an enzyme that catalyzes the first step in the biosynthesis of cysteinyl leukotrienes, potent biological compounds derived from arachidonic acid. Leukotrienes have been implicated as mediators of anaphylaxis and inflammatory conditions such as human bronchial asthma. This protein localizes to the nuclear envelope and adjacent endoplasmic reticulum.

Alternative Names

LTC4S; LTC4 synthase; glutathione S-transferase LTC4; Leukotriene-C(4) synthase; Leukotriene-C4 synthase; Leukotriene C4 synthase

Gene ID

4056

UniProt ID

Q16873