

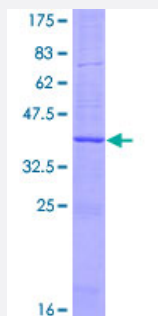
Full-Length

LTC4S (Human) Recombinant Protein (P01)

Catalog # H00004056-P01

Size 25 ug, 10 ug

Applications



Specification

Product Description	Human LTC4S full-length ORF (NP_665874.1, 1 a.a. - 150 a.a.) recombinant protein with GST-tag at N-terminal.
Sequence	MKDEVALLAAVTLLGVLLQAYFSLQVISARRAFRVSPPLTTGPPEFERVYRAQVNCSEYFPLFLAT LWVAGIFFHEGAAALCGLVYLFARLRYFQGYARSAQLRLAPLYASARALWLLVALAALGLLAHFLP AALRAALLGRLRTLTPWA
Host	Wheat Germ (in vitro)
Theoretical MW (kDa)	43
Interspecies Antigen Sequence	Mouse (88); Rat (86)
Preparation Method	in vitro wheat germ expression system
Purification	Glutathione Sepharose 4 Fast Flow
Quality Control Testing	12.5% SDS-PAGE Stained with Coomassie Blue.
Storage Buffer	50 mM Tris-HCl, 10 mM reduced Glutathione, pH=8.0 in the elution buffer.
Storage Instruction	Store at -80°C. Aliquot to avoid repeated freezing and thawing.

Note

Best use within three months from the date of receipt of this protein.

Applications

- Enzyme-linked Immunoabsorbent Assay
- Western Blot (Recombinant protein)
- Antibody Production
- Protein Array

Gene Info — LTC4S

Entrez GeneID [4056](#)

GeneBank Accession# [NM_145867.1](#)

Protein Accession# [NP_665874.1](#)

Gene Name LTC4S

Gene Alias MGC33147

Gene Description leukotriene C4 synthase

Omim ID [246530](#)

Gene Ontology [Hyperlink](#)

Gene Summary 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. [provided by RefSeq]

Other Designations -

Pathway

- [Arachidonic acid metabolism](#)
- [Metabolic pathways](#)

Disease

- [Acute Disease](#)
- [Alzheimer disease](#)
- [Angioneurotic Edema](#)
- [Arteriosclerosis](#)
- [Asthma](#)
- [Atherosclerosis](#)
- [Brain Ischemia](#)
- [Bronchial Hyperreactivity](#)
- [Cardiovascular Diseases](#)
- [Carotid Artery Diseases](#)
- [Cerebrovascular Disorders](#)
- [Chlamydia Infections](#)
- [Chronic Disease](#)
- [Coronary Artery Disease](#)
- [Coronary Disease](#)
- [Dermatitis](#)
- [Diabetes Complications](#)
- [Diabetes Mellitus](#)
- [Disease Progression](#)
- [Drug Hypersensitivity](#)
- [Genetic Predisposition to Disease](#)
- [Hodgkin Disease](#)

- [Hypersensitivity](#)
- [Hypertension](#)
- [Inflammation](#)
- [Ischemic Attack](#)
- [Lung Diseases](#)
- [Metabolic Syndrome X](#)
- [Migraine Disorders](#)
- [Myocardial Ischemia](#)
- [Neoplasms](#)
- [Obesity](#)
- [Orbital Diseases](#)
- [Osteoporosis](#)
- [Recurrence](#)
- [Respiratory Hypersensitivity](#)
- [Rhinitis](#)
- [Sinusitis](#)
- [Stroke](#)
- [Trachoma](#)
- [Urticaria](#)
- [Venous Thrombosis](#)