Recombinant Human LTC4S Protein, GST-tagged

Cat. No. LTC4S-4588H **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Human LTC4S full-length ORF (NP_665874.1, 1 a.a. - 150 a.a.) recombinant protein with GST-tag at N-terminal.
Species	Human
Source	Wheat Germ
Description	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
Molecular Mass	43 kDa
AA Sequence	MKDEVALLAAVTLLGVLLQAYFSLQVISARRAFRVSPPLTTGPPEFERVYRAQVNCS EYFPLFLATLWVAGIFFHEGAAALCGLVYLFARLRYFQGYARSAQLRLAPLYASARAL WLLVALAALGLLAHFLPAALRAALLGRLRTLLPWA
Applications	Enzyme-linked Immunoabsorbent Assay Western Blot (Recombinant protein) Antibody Production

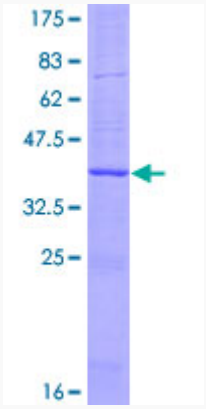
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45-1 Ramsey Road, Shirley, NY 11967, USA

	Protein Array
Notes	Best use within three months from the date of receipt of this protein.
Storage	Store at -80 centigrade. Aliquot to avoid repeated freezing and thawing.
Storage Buffer	50 mM Tris-HCl, 10 mM reduced Glutathione, pH=8.0 in the elution buffer.

GENE INFORMATION

Gene Name	LTC4S leukotriene C4 synthase [Homo sapiens]
Official Symbol	LTC4S
Synonyms	LTC4S; leukotriene C4 synthase; MGC33147; LTC4 synthase;
Gene ID	4056
mRNA Refseq	NM_145867
Protein Refseq	NP_665874
MIM	246530
UniProt ID	Q16873

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Quality Control Testing	 12.5% SDS-PAGE Stained with Coomassie Blue

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