

Recombinant Human LTC4S Protein, Myc/DDK-tagged, C13 and N15-labeled

Cat. No. LTC4S-4045H **Lot. No.** (See product label)

SPECIFICATION

Product Overview	LTC4S MS Standard C13 and N15-labeled recombinant protein (NP_665874) with a C-terminal MYC/DDK tag, was expressed in HEK293 cells.
Species	Human
Source	HEK293
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.
Molecular Mass	16.5 kDa
AA Sequence	MKDEVALLAAVTLLGVLLQAYFSLQVISARRAFRVSPPLTTGPPEFERVYRAQVNCSEYFPLFLATLWVAGIFFHEGAAALCGLVYLFARLRYFQGYARSAQLRLAPLYASARALWLLVALAALGLLAHFLPAALRAALLGQLRTLTPWATRTRPLEQKLISEEDLAANDILDYKDDDDKV
Purity	> 80% as determined by SDS-PAGE and Coomassie blue staining

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Stability	Stable for 3 months from receipt of products under proper storage and handling conditions.
Storage	Store at -80 centigrade. Avoid repeated freeze-thaw cycles.
Concentration	50 µg/mL as determined by BCA
Storage Buffer	100 mM glycine, 25 mM Tris-HCl, pH 7.3.

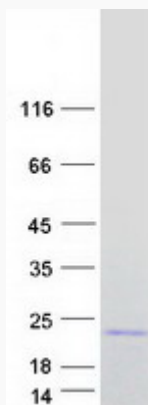
GENE INFORMATION

Gene Name	LTC4S leukotriene C4 synthase [Homo sapiens (human)]
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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SDS-PAGE

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