

## Product datasheet for PH306062

### LTC4S (NM\_145867) Human Mass Spec Standard

#### Product data:

Product Type:	Mass Spec Standards
Description:	LTC4S MS Standard C13 and N15-labeled recombinant protein (NP_665874)
Species:	Human
Expression Host:	HEK293
Expression cDNA Clone or AA Sequence:	RC206062
Predicted MW:	16.5 kDa
Protein Sequence:	>RC206062 protein sequence Red=Cloning site Green=Tags(s)  MKDEVALLAAVTLGLGVLQAYFSLQVISARRAFRVSPPLTTGPPEFERVYRAQVNCSEYFPLFLATLWVA GIFFHEGAAALCGLVYLFARLRYFQGYARSAQLRLAPLYASARALWLLVALAALGLLAHFLPAALRAALL GQLRRTLLPWA  TRTRPLEQKLI SEEDLAANDILDYKDDDDKV
Tag:	C-Myc/DDK
Purity:	> 80% as determined by SDS-PAGE and Coomassie blue staining
Concentration:	>0.05 µg/µL as determined by microplate BCA method
Labeling Method:	Labeled with [U- 13C6, 15N4]-L-Arginine and [U- 13C6, 15N2]-L-Lysine
Buffer:	25 mM Tris-HCl, 100 mM glycine, pH 7.3
Storage:	Store at -80°C. Avoid repeated freeze-thaw cycles.
Stability:	Stable for 3 months from receipt of products under proper storage and handling conditions.
RefSeq:	<a href="#">NP_665874</a>
RefSeq Size:	680
RefSeq ORF:	450
Locus ID:	4056
UniProt ID:	<a href="#">Q16873</a>
Cytogenetics:	5q35.3



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**Summary:**

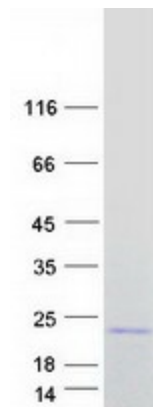
The MAPEG (Membrane Associated Proteins in Eicosanoid and Glutathione metabolism) family includes a number of human proteins, several of which are involved the production of leukotrienes. This gene encodes an enzyme that catalyzes the first step in the biosynthesis of cysteinyl leukotrienes, potent biological 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, Jul 2008]

**Protein Families:**

Druggable Genome, Transmembrane

**Protein Pathways:**

Arachidonic acid metabolism, Metabolic pathways

**Product images:**

Coomassie blue staining of purified LTC4S protein (Cat# [TP306062]). The protein was produced from HEK293T cells transfected with LTC4S cDNA clone (Cat# [RC206062]) using MegaTran 2.0 (Cat# [TT210002]).