

Datasheet for ABIN7549097
LTC4S Protein (AA 1-150) (His tag)



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Overview

Quantity:	1 mg
Target:	LTC4S
Protein Characteristics:	AA 1-150
Origin:	Human
Source:	HEK-293 Cells
Protein Type:	Recombinant
Purification tag / Conjugate:	This LTC4S protein is labelled with His tag.

Product Details

Purpose:	Custom-made recombinant LTC4S Protein expressed in mammalian cells.
Sequence:	MKDEVALLAA VTLLGVLLQA YFSLQVISAR RAFRVSPPLT TGPPEFERVY RAQVNCSEYF PLFLATLWVA GIFFHEGAAA LCGLVYLFAR LRYFQGYARS AQLRLAPLYA SARALWLLVA LAALGLLAHF LPAALRAALL GRLRTLLPWA Sequence without tag. The proposed Purification- Tag is based on experiences with the expression system, a different complexity of the protein could make another tag necessary. In case you have a special request, please contact us.
Specificity:	If you are looking for a specific domain and are interested in a partial protein or a different isoform, please contact us regarding an individual offer.
Characteristics:	Key Benefits: <ul style="list-style-type: none">• Made to order protein - from design to production - by highly experienced protein experts.• Protein expressed in mammalian cells and purified in one-step affinity chromatography• The optimized expression system ensures reliability for intracellular, secreted and

Product Details

transmembrane proteins.

- State-of-the-art algorithm used for plasmid design (Gene synthesis).

This protein is a made-to-order protein and will be made for the first time for your order. Our experts in the lab try to ensure that you receive soluble protein.

If you are not interested in a full length protein, please contact us for individual protein fragments.

The big advantage of ordering our made-to-order proteins in comparison to ordering custom made proteins from other companies is that there is no financial obligation in case the protein cannot be expressed or purified.

Purity:	> 90 % as determined by Bis-Tris PAGE, anti-tag ELISA, Western Blot and analytical SEC (HPLC)
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Grade:	custom-made
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Target Details

Target:	LTC4S
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Alternative Name:	LTC4S (LTC4S Products)
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Background:	Leukotriene C4 synthase (LTC4 synthase) (EC 4.4.1.20) (Glutathione S-transferase LTC4) (EC 2.5.1.-) (Leukotriene-C(4) synthase) (Leukotriene-C4 synthase),FUNCTION: Catalyzes the conjugation of leukotriene A4 with reduced glutathione (GSH) to form leukotriene C4 with high specificity (PubMed:7937884, PubMed:27791009, PubMed:27365393, PubMed:9153254, PubMed:23409838). Can also catalyze the transfer of a glutathionyl group from glutathione (GSH) to 13(S),14(S)-epoxy-docosahexaenoic acid to form maresin conjugate in tissue regeneration 1 (MCTR1), a bioactive lipid mediator that possess potent anti-inflammatory and proresolving actions (PubMed:27791009). {ECO:0000269 PubMed:23409838, ECO:0000269 PubMed:27365393, ECO:0000269 PubMed:27791009, ECO:0000269 PubMed:7937884, ECO:0000269 PubMed:9153254}.
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Molecular Weight:	16.6 kDa
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UniProt:	Q16873
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Pathways:	Cellular Response to Molecule of Bacterial Origin
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Application Details

Application Notes: We expect the protein to work for functional studies. As the protein has not been tested for functional studies yet we cannot offer a guarantee though.

Restrictions: For Research Use only

Handling

Format: Liquid

Buffer: The buffer composition is at the discretion of the manufacturer.

Handling Advice: Avoid repeated freeze-thaw cycles.

Storage: -80 °C

Storage Comment: Store at -80°C.

Expiry Date: 12 months
