

AR51891PU-N

Human LTA4H (1-611, His-tag) - Purified

Alternate names:

LTA-4 hydrolase, LTA4, Leukotriene A-4 hydrolase

Quantity:

0.1 mg

Concentration:

0.25 mg/ml (determined by bradford assay)

Background:

LTA4H also known as Leukotriene A-4 hydrolase is a bifunctional enzyme which converts leukotriene A4 to leukotriene B4 and acts as an aminopeptidase. This enzyme belongs to the family of hydrolases, specifically those acting on ether bonds (ether hydrolases). It participates in arachidonic acid metabolism.

Uniprot ID:

[P09960](#)

NCBI:

[NP_000886](#)

GeneID:

[4048](#)

Species:

Human

Source:

E. coli

Format:

State: Liquid purified protein

Purity: >90% by SDS - PAGE

Buffer System: Liquid, In Phosphate buffered saline (pH7.4) containing 20% glycerol, 1mM DTT.

Description:

Recombinant human LTA4H, fused to His-tag at N-terminus, was expressed in E.coli and purified by using conventional chromatography techniques.

AA Sequence:

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MGSSHHHHH SGLVPRGSH MGSMPEIVDT CSLASPASVC RTKHLHLRCS VDFTRRTLGT
TAALTVQSQE DNLRLSLVLD KDLTIEKVVI NGQEVKYALG ERQSYKGSPM EISLPIALSK
NQEIVIEISF ETSPKSSALQ WLTPEQTSKG EHPYLFSCQC AIHCRAILPC QDTPSVKLT
TAEVSVPKEL VALMSAIRDG ETPDPEDPSR KIYKFIQKVP IPCYLIALVV GALESRIQIGP
RTLWSEKEQ VEKSAYEFSE TESMLKIAED LGGPYVWGQY DLLVLPPSFP YGGMENPCLT
FVTPTLLAGD KSLSNVIAHE ISHSWTGNLV TNKTWDHFWL NEGHTVYLER HICGRLFGEK
FRHFNALGGW GELQNSVKTF GETHPFTKLV VDLTDIDPDV AYSSVPYEKG FALLFYLEQL
LGGPEIFLGF LKAYVEKFSY KSITDDWKD FLYSYFKDKV DVLNQVDWNA WLYSPGLPPI
KPNYDMTLTN ACIALSQRWI TAKEDDLNSF NATDLKDLSS HQLNEFLAQT LQRAPLPLGH
IKRMQEVYNF NAINNSEIRF RWLRLCIQSK WEDAIPALAK MATEQGRMKF TRPLFKDLAA
FDKSHDQAVR TYQEHKASMH PVTAMLVGKD LKVD
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Molecular weight: 71.7 kDa (634aa)

Storage:

Store undiluted at 2-8°C for one week or (in aliquots) at -20°C to -80°C for longer.

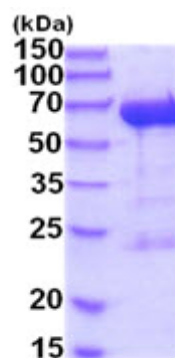
Avoid repeated freezing and thawing.

Shelf life: one year from despatch.

General Readings:

Odlander B., et al. (1991) Biochem. Biophys. 287:167-174.

Pictures:



15% SDS-PAGE (3ug)