Recombinant human Leukotriene A4 Hydrolase/LTA4H protein

Catalog Number: ATGP3071

PRODUCT INFORMATION

Expression system
E.coli

Domain
1-611aa

UniProt No.
P09960

NCBI Accession No.
NP_000886

Alternative Names
Leukotriene A-4 hydrolase isoform1, LTA4, Leukotriene A4

PRODUCT SPECIFICATION

Molecular Weight
71.7 kDa (634aa)

Concentration
0.25mg/ml (determined by Bradford assay)

Formulation
Liquid in. Phosphate-Buffered Saline (pH 7.4) containing 20% glycerol, 1mM DTT

Purity
> 90% by SDS-PAGE

Tag
His-Tag

Application
SDS-PAGE

Storage Condition
Can be stored at +2C to +8C for 1 week. For long term storage, aliquot and store at -20C to -80C. Avoid repeated freezing and thawing cycles.

BACKGROUND

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

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Amino acid Sequence

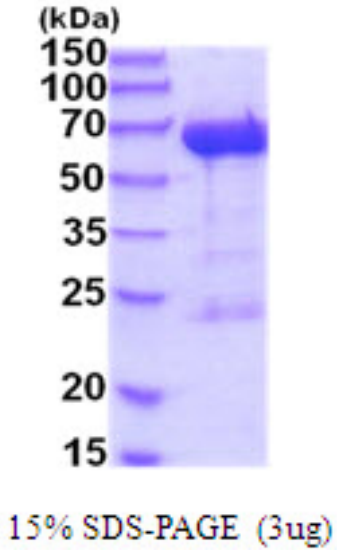
MGSSHHHHHH SSGLVPRGSH MGSMPEIVDT CSLASPASVC RTKHLHLRCS VDFTRRTLTG TAALTVQSQE DNLRSLVLDT KDLTIEKVVI NGQEVKYALG ERQSYKGSPM EISLPIALSK NQEIVIEISF ETSPKSSALQ WLTPEQTSGK EHPYLFSQCQ AIHCRAILPC QDTPSVKLTY TAEVSVPKEL VALMSAIRDG ETPDPEDPSR KIYKFIQKVP IPCYLIALVV GALESRQIGP RTLVWSEKEQ VEKSAYEFSE TESMLKIAED LGGPYVWGQY DLLVLPPSFP YGGMENPCLT FVTPTLLAGD KSLSNVIAHE ISHSWTGNLV TNKTWDHFWL NEGHTVYLER HICGRLFGEK FRHFNALGGW GELQNSVKTF GETHPFTKLV VDLTDIDPDV AYSSVPYEKG FALLFYLEQL LGGPEIFLGF LKAYVEKFSY KSITTDDWKD FLYSYFKDKV DVLNQVDWNA WLYSPGLPPI KPNYDMTLTN ACIALSQRWI TAKEDDLNSF NATDLKDLSS HQLNEFLAQT LQRAPLPLGH IKRMQEVYNF NAINNSEIRF RWLRLCIQSK WEDAIPLALK MATEQGRMKF TRPLFKDLAA FDKSHDQAVR TYQEHKASMH PVTAMLVGKD LKVD

General References

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

DATA

SDS-PAGE



15% SDS-PAGE (3ug)

3ug by SDS-PAGE under reducing condition and visualized by coomassie blue stain.