
Product Data Sheet

Product Name: LTA4H Human

Cat. No.: GP21890

Batch No.: 1

Product Data

Purity	>98%	Source	Escherichia Coli.
Physical Appearance	solid	Shipping Condition	Shipped with Ice Packs.
Synonyms	Leukotriene A-4 hydrolase isoform1; LTA-4 hydrolase; LeukotrieneA(4) hydrolase; LTA4.		
Amino Acid Sequence	<p>MGSSHHHHHH SGLVPRGSH MGSMPEIVDT CSLASPASVC RTKHLHLRCS VDFTRRTLGT TAALTVQSQEDNLRSLVLDT KDLTIEKVVI NGQEVKYALG ERQSYKGSMP EISLPIALSK NQEIVIEISF ETSPKSSALQWLTP EQTSGK EHPYLFSQCQ AIHCRAILPC QDTPSVKLT YAEVSVPKEL VALMSAIRDG ETPDPEPSRKIYKFIQKVP IPCYLIALVV GALESRQIGP RTLWSEKEQ VEKSAYEFSE TESMLKIAED LGGPYVWGQYDLLVLPSP YGGMENPCLT FVTPTLLAGD KLSLN VIAHE ISHSWTGNLV TNKTWDHFWL NEGHTVYLERHICGRLFG EK FRHFNALGGW GELQNSVKTF GETHPFTKLV VDLTDIDPDV AYSSVPYEKG FALLFYLEQL LGGPEIFLGLKAYVEKFSY KSITDDWWD FLYSYFKDKV DVLNQVDWNA WLYSPGLPPI KPNYDMTLTN ACIALSQRWITAKEDDLNSF NATDLKDLSS HQLNEFLAQT LQRAPLPLGH IKRMQEVYNF NAINNSEIRF RWLRLCIQSKWEDAIP LALK MATEQGRMKF TRPLFKDLAA FDKSHDQAVR TYQEHKASM H PVTAMLVGKD LKVD.</p>		
Formulation	LTA4H protein solution (0.25mg/ml) in Phosphate buffered saline (pH7.4), 20% glycerol and 1mM DTT.		

Introduction

Leukotriene A-4 hydrolase (LTA4H) is a bifunctional enzyme that converts leukotriene A4 to leukotriene B4 and functions as an aminopeptidase. The LTA4H enzyme is a member of the family of hydrolases, specifically those acting on ether bonds (ether hydrolases). LTA4H participates in arachidonic acid metabolism.

Stability

Store at 4°C if entire vial will be used within 2-4 weeks. Store, frozen at -20°C for longer

Caution: Product has not been fully validated for medical applications. For research use only.

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periods of time. For long term storage it is recommended to add a carrier protein (0.1% HSA or BSA). Avoid multiple freeze-thaw cycles.

Background

LTA4H Human Recombinant produced in E.Coli is a single, non-glycosylated polypeptide chain containing 634 amino acids (1-611 a.a) and having a molecular mass of 71.7kDa. LTA4H is fused to a 23 amino acid His-tag at N-terminus & purified by proprietary chromatographic techniques.

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