

LTA4H, 1-611aa , Human, His tag, E.coli

Cat.NO.: TP02854

3th Edition

Synonyms:Leukotriene A-4 hydrolase isoform1 , LTA4, Leukotriene A4

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.

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

Molecular Weight:71.7kDa (634aa)

Sequences:

MGSSHHHHHSSGLVPRGSHMGSMPEIVDTCSLSPASVCRVKHLHLRCSVDFTRRRLTGTAALTVQSQEDNLRSLVLDTKDLTIEKV/VINGQEVKYALGERQSYKGGSPMEISLPIALSKNQEIVIEISFETSPKSSALQWLTPEQTSQKEHPYLFSQCQAIHCRAILPCQDTPSVKLTYYAEVSVPKELVALMSAIRDGETPDPEPSRKIYKFIQKVPIPCYLIALVVGALERSRQIGPRTLWSEKEQVEKSAYEFSETESMLKIAEDLGGPYVWQYDLLVLPSPFPYGGMENPCLTFVTPDLLAGDKSLSNVIAHEISHSWTGNLVTNKTWDHFWLNEGHTVYLERHICGRLFGEKFRHFNALGGWGEQNSVKTFGETHPFTKLVVDLTDIDPDVAYSSVPYEKGFALLFYLEQLLGGPEIFLGFLLKAYVEKFSYKSITDDWKFDFLYSYFKDKVDVNLQVDWNAWLYSPGLPPIKPNYDMTLTNACIALSQRWITAKEDDLNSFNATDLKDLSSHQLNEFLAQLQRAPLPLGHIKRMQEVYNFNAINNSEIRFRWLRLCIQSKWEDAIPALALKMATEQGRMKFTRPLFKDLAAFDKSHDQAVRTYQEHLKASMHPVTAMLVGKDLKVD

Purity:> 95% by HPLC

Concentration:0.25mg/ml (determined by Bradford assay)

Endotoxin Level:<1.0 EU per 1 ug of protein (determined by LAL method)

Storage:Can be stored at +4°C short term (1-2 weeks). For long term storage, aliquot and store at -20°C or -70°C. Avoid repeated freezing and thawing cycles.