

Product datasheet

Recombinant Human Aconitase 1 protein ab103501

画像数 1

製品の概要

製品名	Recombinant Human Aconitase 1 protein
タンパク質長	Full length protein

製品の詳細

由来	Recombinant
由来	Escherichia coli

アミノ酸配列

アクセッション番号 [P21399](#)

生物種 Human

配列 **MGSSHHHHHSSGLVPRGSHMGSMNPFAHLAEPLDPVQPGKKFFNLNKL**
 EDSRYGRLPFSIRVLLAAIRNCDEFLVKKQDIENILHWNVTQHKNIEVP
 FKPARVILQDFTGVPVVDFAAMRDAVKKLGDPKINPVCADLVIDHS
 IQVDFNRRADSLQKNQDLEFERNRERFEFLKWGSQAFHNMRIIPGSGII
 HQVNLEYLARVFDQDGYYPDSLVTGDSHTTMIDGLGILGWGVGGIEAE
 AVMLGQPISMVLPQVIGYRLMGKPHPLVTSTDIVLITKHLRQGVVGKFK
 VEFFGPGVAQLSIADRATIANMCPEYGATAAFFPVDEVSITYLVQTGRDE
 EKLKYIKKYLQAVGMFRDFNDPSQDPDFTQVVELDLKTVVPCCSGPKRPQ
 DKVAVSDMKKDFESCLGAKQGFQVAPHHNDHKTFIYDNTEFTLAHG
 SVVIAAITSCTNTSNPSVMLGAGLLAKKAVDAGLNVMPYIKTSLSPGSGV
 VTYYLQESGVMPYLSQLGFDVVGYGCMTCIGNSGPLPEPVVEAITQGDLV
 AVGVLSGNRFEGRVHPNTRANYLASPPLVIAYAIAGTIRIDFEKEPLGV
 NAKGQQVFLKDIWPTREIQAVERQYVIPGMFKEVYQKIETVNESWNALA
 TPSDKLFFWNSKSTYIKSPPFFENLTLDLQPPKSIVDAYVLLNLGDSVTT
 DHISPAAGNIARNSPAARYLTNRGLTPREFNSYGSRRGNDAVMARGTFANI
 RLLNRFLNKQAPQTIHLPSGEILDVFDAAERYQQAGLPLIVLAGKEYGAG
 SSRDWAAGPFLLGKAVLAESYERIHRSNLVGMGVIPLEYLPGENADAL
 GLTGQERYTIIIPENLKPQMKVQVKLDTGKTFQAVMRFDTDVELTYFLNG
 GILNYMIRKMAK

分子量 101 kDa including tags

領域 1 to 889

タグ His tag N-Terminus

特性

Our [Abpromise guarantee](#) covers the use of **ab103501** in the following tested applications.

The application notes include recommended starting dilutions; optimal dilutions/concentrations should be determined by the end user.

アプリケーション

SDS-PAGE

精製度

> 90 % SDS-PAGE.

ab103501 was purified using conventional chromatography techniques.

製品の状態

Liquid

前処理および保存

保存方法および安定性

Shipped at 4°C. Upon delivery aliquot and store at -20°C or -80°C. Avoid repeated freeze / thaw cycles.

Preservative: None

Constituents: 10% Glycerol, 20mM Tris HCl, 2mM DTT, 100mM Sodium chloride, pH 8.0

関連情報

機能

Iron sensor. Binds a 4Fe-4S cluster and functions as aconitase when cellular iron levels are high. Functions as mRNA binding protein that regulates uptake, sequestration and utilization of iron when cellular iron levels are low. Binds to iron-responsive elements (IRES) in target mRNA species when iron levels are low. Binding of a 4Fe-4S cluster precludes RNA binding. Catalyzes the isomerization of citrate to isocitrate via cis-aconitate.

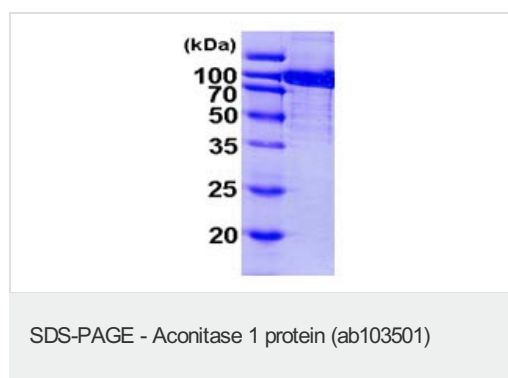
配列類似性

Belongs to the aconitase/IPM isomerase family.

細胞内局在

Cytoplasm.

画像



15% SDS-PAGE analysis of 3µg ab103501.

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