abcam

Product datasheet

Recombinant Human ALDH5A1/SSADH protein ab99429

1 图像

描述

产品名称	重组人ALDH5A1/SSADH蛋白
纯度	> 90 % SDS-PAGE. ab99429 is purified using conventional chromatography techniques.
表达系统	Escherichia coli
Accession	P51649
蛋白长度	Full length protein
无动物成分	No
性质	Recombinant
种属	Human
序列	MGSSHHHHHHSSGLVPRGSHMAGRLAGLSAALLRTDSFVG GRWLPAAATF PVQDPASGAALGMVADCGVREARAAVRAAYEAFCRWREVSAK ERSSLLRK WYNLMIQNKDDLARIITAESGKPLKEAHGEILYSAFFLEWFS EEARRVYG DIIHTPAKDRRALVLKQPIGVAAVITPWNFPSAMITRKVGAA LAAGCTVV VKPAEDTPFSALALAELASQAGIPSGVYNVIPCSRKNAKEVG EAICTDPL VSKISFTGSTTTGKILLHHAANSVKRVSMELGGLAPFIVFDS ANVDQAVA GAMASKFRNTGQTCVCSNQFLVQRGIHDAFVKAFAEAMKKNL RVGNGFEE GTTQGPLINEKAVEKVEKQVNDAVSKGATVVTGGKRHQLGKN FFEPTLLC NVTQDMLCTHEETFGPLAPVIKFDTEEEAIAIANAADVGLAG YFYSQDPA QIWRVAEQLEVGMVGVNEGLISSVECPFGGVKQSGLGREGSK YGIDEYLE LKYVCYGGL
预测分子量	55 kDa including tags
氨基酸	48 to 535
标签	His tag N-Terminus

技术指标

Our **Abpromise guarantee** covers the use of **ab99429** in the following tested applications.

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

应用	SDS-PAGE Mass Spectrometry
质谱法	MALDI-TOF
形式	Liquid
补充说明	This product was previously labelled as ALDH5A1

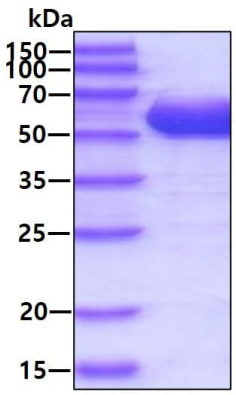
制备和贮存

稳定性和存储	Shipped at 4°C. Upon delivery aliquot and store at -20°C or -80°C. Avoid repeated freeze / thaw cycles. pH: 8.00 Constituents: 0.0154% DTT, 0.316% Tris HCl, 0.0292% EDTA, 10% Glycerol, 0.58% Sodium chloride

常规信息

功能	Catalyzes one step in the degradation of the inhibitory neurotransmitter gamma-aminobutyric acid (GABA).
组织特异性	Brain, pancreas, heart, liver, skeletal muscle and kidney. Lower in placenta.
通路	Amino-acid degradation; 4-aminobutanoate degradation.
疾病相关	Defects in ALDH5A1 are the cause of succinate semialdehyde dehydrogenase deficiency (SSADH deficiency) [MIM:271980]. SSADH deficiency is a rare inborn error in the metabolism of 4-aminobutyric acid (GABA) which leads to accumulation of 4-hydroxybutyric acid in physiologic fluids of patients. The disease is characterized by severe ataxia and by mildly retarded psychomotor development.
序列相似性	Belongs to the aldehyde dehydrogenase family.
细胞定位	Mitochondrion.

图片



SDS-PAGE - Recombinant Human ALDH5A1/SSADH protein (ab99429)

SDS-PAGE analysis of ab99429 (3 µg) under reducing conditions and visualized by coomassie blue stain.

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