

Recombinant Human Argininosuccinate Lyase protein ab113605

1 图像

描述

产品名称	重组人Argininosuccinate Lyase蛋白
纯度	> 95 % SDS-PAGE. ab113605 was purified using conventional chromatography techniques.
表达系统	Escherichia coli
Accession	<u>P04424</u>
蛋白长度	Full length protein
无动物成分	No
性质	Recombinant
种属	Human
序列	<p>MGSSHHHHHSSGLVPRGSHMASESGLKWGGRFVGAVDPI MEKFNASIAY DRHLWEVDVQGSKAYSRGLEKAGLLTKAEMDQILHGLDKVAE EWAQGTFK LNSNDEDIHTANERRLKEKELIGATAGKLHTGRSRNDQVVDLR LWMRQTCS TL SGLLWELIRTMVDRAEAERDVL FPGYTHLQRAQPIRWSHW ILSHAVAL TRDSERLLEVRKRINVLPLGSGAIAGNPLGVDRELLRAELNF GAITLNSM DATSERDFVAEFLFWASLCMTHLSRMAEDLILYCTKEFSFVQ LSDAYSTG SSLMPQKKNPDSLELIRSKAGRVFGRCAGLLMTLKGLPSTYN KDLQEDKE AVFEVSDTMSAVLQVATGVISTLQIHQENMGQALSPDMLATD LAYYLVRK GMPFRQAHEASGKAVFMAETKGVALNQLSLQELQTISPLFSG DVICVWDY GHSVEQYGALGGTARSSVDWQIRQVRALLQAQQA</p>
预测分子量	54 kDa including tags
氨基酸	1 to 464
标签	His tag N-Terminus

技术指标

Our **Abpromise guarantee** covers the use of **ab113605** 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

形式 Liquid

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: 0.04% DTT, 0.32% Tris HCl, 10% Glycerol (glycerin, glycerine), 0.58% Sodium chloride

常规信息

通路 Amino-acid biosynthesis; L-arginine biosynthesis; L-arginine from L-ornithine and carbamoyl phosphate: step 3/3.

Nitrogen metabolism; urea cycle; L-arginine and fumarate from (N(omega)-L-arginino)succinate: step 1/1.

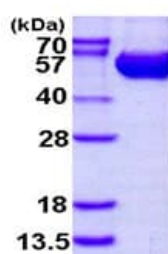
疾病相关 Defects in ASL are the cause of arginosuccinicaciduria (ARGINSA) [MIM:207900].

Arginosuccinicaciduria is an autosomal recessive disorder of the urea cycle. The disease is characterized by mental and physical retardation, liver enlargement, skin lesions, dry and brittle hair showing trichorrhexis nodosa microscopically and fluorescing red, convulsions, and episodic unconsciousness.

序列相似性 Belongs to the lyase 1 family. Argininosuccinate lyase subfamily.

翻译后修饰 Acetylation modifies enzyme activity in response to alterations of extracellular nutrient availability. Acetylation increased with trichostin A (TSA) or with nicotinamide (NAM). Glucose increases acetylation by about a factor of 3 with decreasing enzyme activity. Acetylation on Lys-288 is decreased on the addition of extra amino acids resulting in activation of enzyme activity.

图片



15% SDS-PAGE showing ab113605 (3 µg) at approximately 53.8 kDa.

SDS-PAGE - Recombinant Human

Argininosuccinate Lyase protein (ab113605)

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