

Product datasheet

Recombinant Human Argininosuccinate Lyase protein ab113605

画像数 1

製品の概要

製品名	Recombinant Human Argininosuccinate Lyase 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 [P04424](#)

生物種 Human

配列 **MGSSHHHHHSSGLVPRGSHMAESGKLWGRFVGAVDPIMEKFNASIA Y
DRHLWEVDVQGSKAYS RGLEKAGLLTKAEMDQILHGLDKVAEEWAQGTK
LNSNDEDIHTANERRLKE LIGATAGKLHTGRSRNDQVVTDLRLWMRQTC
S
TSLGLLWELIRTMVDRAEAERDVLFPGYTHLQRAQPIRWSHWILSHAVAL
TRDSERLLEVRKRINVLPLGSGAIAGNPLGVDRELLRAELNFGAITLNSM
DATSERDFVAEFLF WASLCMTHLSRMAEDLILYCTKEFSFVQLSDAYSTG
SSLMPQKKNPDSLELIRSKAGRVFGRCAGLLMTLKGLPSTYKDLQEDKE
AVFEVSDTMSAVLQVATGVISTLQIHQENMGQALSPDMLATDLAYYLVRK
GMPFRQAHEASGKAVFMAETKGV ALNQLSLQELQTI SPLFSGDVICVWDY
GHSVEQYGALGGTARSSVDWQIRQVRALLQAQQA**

分子量 54 kDa including tags

領域 1 to 464

タグ His tag N-Terminus

特性

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.

アプリケーション	SDS-PAGE
精製度	> 95 % SDS-PAGE. ab113605 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.

pH: 8.00

Constituents: 0.32% Tris HCl, 0.04% DTT, 10% Glycerol, 0.58% Sodium chloride

関連情報

パスウェイ

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.

関連疾患

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.

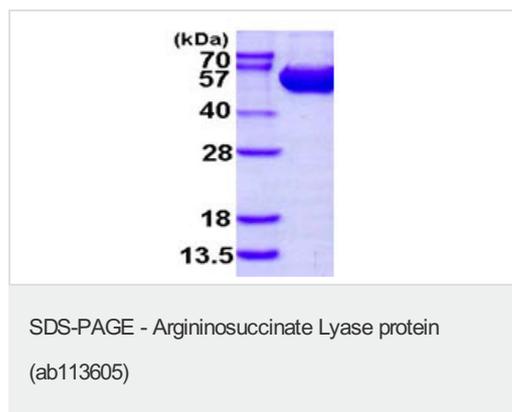
配列類似性

Belongs to the lyase 1 family. Argininosuccinate lyase subfamily.

翻訳後修飾

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.

画像



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

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