

Product datasheet

Recombinant Human Seryl-tRNA synthetase protein ab116885

1 图像

概述

产品名称	重组人Seryl-tRNA synthetase蛋白
蛋白长度	Full length protein

描述

性质	Recombinant
来源	Wheat germ

氨基酸序列

Accession [P49591](#)

种属 Human

序列
 MVLDDLDFRVDKGGDPALIRETQEKRFKDPGLVDQLVKADSEWRRRCFRFRA
 DNLNKLKLNLCSTKIGEKMKKKEPVGDDSEVPENVLSFDDLTADALANLKV
 SQIKKVRLLIDEAILKCAERIKLEAERFENLREIGNLLHPSVPISNDED
 VDNKVERIWGDCTVRKKYSHVDLVVMVDGFEGEKGAVVAGSRGYFLKGVL
 VFLEQALIQYALRTLGSRGYIPIYTPFFMRKEVMQEVQALSQFDEELYKV
 IGKGSEKSDDNSYDEKYL IATSEQPIAALHRDEWLRPEDLPIKYAGLSTC
 FRQEVGSHGRDTRGIFRVHQFEKIEQFVYSSPHDNKSWEMFEEMITTAEE
 FYQSLGIPYHIVNIVSGSLNHAASKKLDLEAWFPGSGAFRELVSCSNCTD
 YQARRLRIRYQTKKMDKVEFVHMLNATMCATTRTICAILENYQTEKGI
 TVPEKLKEFMPPLQELIPFVKPAIEQEPSKKQKKQHEGSKKKAARDV
 TLENRLQNMEVTDA

分子量 83 kDa including tags

氨基酸 1 to 515

技术指标

Our [Abpromise guarantee](#) covers the use of **ab116885** in the following tested applications.

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

应用	ELISA
	Western blot
	SDS-PAGE

形式 Liquid

补充说明

Protein concentration is above or equal to 0.05 mg/ml. Best use within three months from the date of receipt of this protein.

制备和贮存

稳定性和存储

Shipped on dry ice. Upon delivery aliquot and store at -80°C. Avoid freeze / thaw cycles.

pH: 8.00

Constituents: 0.3% Glutathione, 0.79% Tris HCl

常规信息

功能

Catalyzes the attachment of serine to tRNA(Ser). Is also probably able to aminoacylate tRNA(Sec) with serine, to form the misacylated tRNA L-seryl-tRNA(Sec), which will be further converted into selenocysteinyl-tRNA(Sec).

通路

Aminoacyl-tRNA biosynthesis; selenocysteinyl-tRNA(Sec) biosynthesis; L-seryl-tRNA(Sec) from L-serine and tRNA(Sec): step 1/1.

序列相似性

Belongs to the class-II aminoacyl-tRNA synthetase family. Type-1 seryl-tRNA synthetase subfamily.

结构域

Consists of two distinct domains, a catalytic core and a N-terminal extension that is involved in tRNA binding.

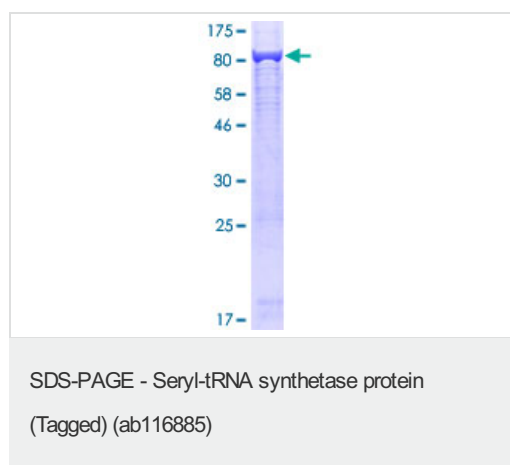
翻译后修饰

Phosphorylated upon DNA damage, probably by ATM or ATR.

细胞定位

Cytoplasm.

图片



12.5% SDS-PAGE showing ab116885 at approximately 82.65kDa, stained with Coomassie Blue.

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