

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	<a href="#">P49591</a>
种属	Human
序列	<p>MVLDDLFRVDKGGDPALIRETQEKRFKDPGLVDQLVKAD            SEWRRCRFRA            DNLNKLKNLCSKTIGEKMKKKEPVGDDSEVPENVLSFDDL            TADALANLKV            SQIKKVRLIDEAILKCD AERIKLEAERFENLREIGNLLH            PSVPISNDED            VDNKVERIWGDCTVRKKYSHVDLVVMVDGFEGEKGAVVAG            SRGYFLKGV L            VFLEQALIQYALRTLGSRGYIPIYTPFFMRKEVMQEAQL            SQFDEELYKV            IGKGSEKSDDNSYDEKYLIATSEQPIAALHRDEWLRPEDL            PIKYAGLSTC            FRQEVGSHGRDTRGIFRVHQFEKIEQFVYSSPHDNKSWEM            FEEMITTAEE            FYQSLGIPYHIVNIVSGSLNHAASKKLDLEAWFPGSGAFR            ELVSCSNCTD            YQARRLRIRYGTQKKMMDKVEFVHMLNATMCATTRTICAI            LENYQTEKGI            TVPEKLKEFMPPGLQELIPFVKPAPIEQEPSKKQKKQHEG            SKKKAAARDV TLENRLQNMEVTDA</p>
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.

<b>应用</b>	ELISA Western blot SDS-PAGE
<b>形式</b>	Liquid
<b>补充说明</b>	Protein concentration is above or equal to 0.05 mg/ml. Best use within three months from the date of receipt of this protein.

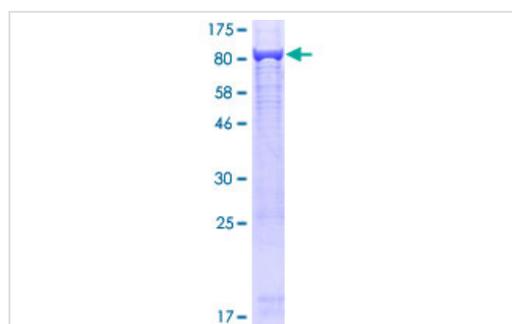
#### 制备和贮存

<b>稳定性和存储</b>	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
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#### 常规信息

<b>功能</b>	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).
<b>通路</b>	Aminoacyl-tRNA biosynthesis; selenocysteinyl-tRNA(Sec) biosynthesis; L-seryl-tRNA(Sec) from L-serine and tRNA(Sec): step 1/1.
<b>序列相似性</b>	Belongs to the class-II aminoacyl-tRNA synthetase family. Type-1 seryl-tRNA synthetase subfamily.
<b>结构域</b>	Consists of two distinct domains, a catalytic core and a N-terminal extension that is involved in tRNA binding.
<b>翻译后修饰</b>	Phosphorylated upon DNA damage, probably by ATM or ATR.
<b>细胞定位</b>	Cytoplasm.

#### 图片



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

SDS-PAGE - Recombinant Human Seryl-tRNA synthetase protein (ab116885)

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## **Our Abpromise to you: Quality guaranteed and expert technical support**

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- Replacement or refund for products not performing as stated on the datasheet
- Valid for 12 months from date of delivery
- Response to your inquiry within 24 hours
  
- We provide support in Chinese, English, French, German, Japanese and Spanish
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- We investigate all quality concerns to ensure our products perform to the highest standards

If the product does not perform as described on this datasheet, we will offer a refund or replacement. For full details of the Abpromise, please visit <https://www.abcam.cn/abpromise> or contact our technical team.

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