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Datasheet for ABIN1671733

Phenylalanyl-tRNA Synthetase, alpha Subunit (FARSA) (AA 1-327) protein (His tag)

Overview

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| Quantity: | 1 mg |
| Target: | Phenylalanyl-tRNA Synthetase, alpha Subunit (FARSA) |
| Protein Characteristics: | AA 1-327 |
| Origin: | Salmonella schwarzengrund |
| Source: | Yeast |
| Protein Type: | Recombinant |
| Purification tag / Conjugate: | His tag |
| Application: | ELISA |

Product Details

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| Sequence: | MSHLAELVAN AAAAINQASD VAALDNVRVE YLGKKGHLTL QMTTLRDLPPEERPAAGAVI NAAKEQVQQA LNARKAELES AALNARLAAE TIDISLPGRRIENGGLHPVT RTIDRIESFF GELGFTVATG PEIEDDYHNF DALNIPGHHP ARADHDTFWF DATRLLRTQT SGVQIRTMKA QQPPIRIAP GRVYRNDYDQ THTPMFHQME GLIVDTNISF TNLKGTLDHF LRNFFEDLQ IRFRPSYFPF TEPSAEVDVM GKNGKWLEVL GCGMVHPNVL RNVGIDPEIY SGFAFGMGME RLTMLRYGVT DLRSFFENDL RFLKQFK |
| Specificity: | Salmonella schwarzengrund (strain CVM19633) |
| Characteristics: | Please inquire if you are interested in this recombinant protein expressed in E. coli, mammalian cells or by baculovirus infection. Be aware about differences in price and lead time. |
| Purity: | > 90 % |

Target Details

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| Target: | Phenylalanyl-tRNA Synthetase, alpha Subunit (FARSA) |
| Alternative Name: | Phenylalanine--tRNA ligase alpha subunit (pheS) (FARSA Products) |
| Background: | Recommended name: Phenylalanine--tRNA ligase alpha subunit. EC= 6.1.1.20. Alternative name(s): Phenylalanyl-tRNA synthetase alpha subunit. Short name= PheRS |
| UniProt: | B4TUF4 |

Application Details

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| Comment: | The yeast protein expression system is the most economical and efficient eukaryotic system for secretion and intracellular expression. A protein expressed by the mammalian cell system is of very high-quality and close to the natural protein. But the low expression level, the high cost of medium and the culture conditions restrict the promotion of mammalian cell expression systems. The yeast protein expression system serve as a eukaryotic system integrate the advantages of the mammalian cell expression system. A protein expressed by yeast system could be modified such as glycosylation, acylation, phosphorylation and so on to ensure the native protein conformation. It can be used to produce protein material with high added value that is very close to the natural protein. Our proteins produced by yeast expression system has been used as raw materials for downstream preparation of monoclonal antibodies. |
| Restrictions: | For Research Use only |

Handling

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| Format: | Lyophilized |
| Concentration: | 0.2-2 mg/mL |
| Buffer: | Tris-based buffer, 50 % glycerol |
| Handling Advice: | Repeated freezing and thawing is not recommended. Store working aliquots at 4 °C for up to one week |
| Storage: | -20 °C |
| Storage Comment: | Store at -20 °C, for extended storage, conserve at -20 °C or -80 °C. |