Datasheet for ABIN1474629

# Asparagine Synthetase Protein (ASNS) (AA 2-561) (His tag)

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## Overview

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| Quantity: | 1 mg |
| Target: | Asparagine Synthetase (ASNS) |
| Protein Characteristics: | AA 2-561 |
| Origin: | Rat |
| Source: | Yeast |
| Protein Type: | Recombinant |
| Purification tag / Conjugate: | This Asparagine Synthetase protein is labelled with His tag. |
| Application: | ELISA |

## Product Details

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| Sequence: | CGIWALFGS DDCLSVQCLS AMKIAHRGPD AFRFENVNGY TNCCFGFHRL AVVDPLFGMQ PIRVRKYPYL WLCYNGEIYN HKALQQRFEF EYQTNVDGEI ILHLYDKGGI EKTICMLDGV FAFILLDTAN KKVFLGRDTY GVRPLFKALT EDGFLAVCSE AKGLVSLKHS TTPFLKVEPF LPGHYEVLDL KPNGKVASVE MVKYHHCTDE PLHAIYDSVE KLFPGFEIET VKNNLRILFN NAIKKRLMTD RRIGCLLSGG LDSSLVAASL LKQLKEAQVP YALQTFAIGM EDSPDLLAAR KVANYIGSEH HEVLFNSEEG IQSLDEVIFS LETYDITTVR ASVGMYLISK YIRKNTDSVV IFSGEGSDEL TQGYIYFHKA PSPEKAEEES ERLLKELYLF DVLRADRTTA AHGLELRVPF LDHRFSSYYL SLPPEMRIPK DGIEKHLLRE TFEDSNLLPK EILWRPKEAF SDGITSVKNS WFKILQDFVE HQVDDAMMSE ASQKFPFNTP QTKEGYYYRQ IFEHHYPGRA DWLTHYWMPK WINATDPSAR TLTHYKSTAK A |
| Specificity: | Rattus norvegicus (Rat) |
| Characteristics: | Please inquire if you are interested in this recombinant protein expressed in E. coli, mammalien |

## Product Details

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| | cells or by baculovirus infection. Be aware about differences in price and lead time. |
| Purity: | > 90 % |

## Target Details

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| Target: | Asparagine Synthetase (ASNS) |
| Alternative Name: | Asparagine synthetase [glutamine-hydrolyzing] (Asns) (ASNS Products) |
| Background: | Recommended name: Asparagine synthetase [glutamine-hydrolyzing].<br>EC= 6.3.5.4.<br>Alternative name(s): Glutamine-dependent asparagine synthetase |
| UniProt: | P49088 |
| Pathways: | ER-Nucleus Signaling |

## 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 modificated 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 |

## Handling

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| Storage: | -20 °C |
| Storage Comment: | Store at -20 °C, for extended storage, conserve at -20 °C or -80 °C. |