

Datasheet for ABIN1642442
NARS2 Protein (AA 1-463) (His tag)[Go to Product page](#)

1 Publication

Overview

Quantity:	1 mg
Target:	NARS2
Protein Characteristics:	AA 1-463
Origin:	Clostridium
Source:	Yeast
Protein Type:	Recombinant
Purification tag / Conjugate:	This NARS2 protein is labelled with His tag.
Application:	ELISA

Product Details

Sequence:	MENVLVKQLY RLSSEFGGKK VRLSGWVRTI RASKSFGFIE INDGSFFKNI QVVFDDKLDN FKEISKFIIS STITVEGEFV LTPNAKQPFE IHAENITLEG NSDNDYPLQK KRHTLEYLRS IAHLRPRSNT FSAVFRVRSL AAYAVHKFFQ ERDFVYVNTPLITASDAEGA GEMFQVTTLD LKNPPKNEEG NIDFSKDFFG KKANLTVSGQ LSAETFALAF RNVYTFGPTF RAEESNTTRH AAEFWMIEPE MAFaelSDYL DTAeEMVKYI INFVMENape EMEFFNTRID KGLFDRLHNV VNSEFGRITY TEAVDILEKS GEKFEYPVKW GIDLQTEHER YLTDKVFKKP LFVTDYPKDI KAFYMRINDD NKTVAAADLL VPGVGEEIGG SQREERLAVL EKRMEELNLN KEDYWWYLEL RKYGETKHSG YGLGFERMIM YLTGISNIRD VIPFPRTTGS AEF
Specificity:	Clostridium acetobutylicum (strain ATCC 824 / DSM 792 / JCM 1419 / LMG 5710 / VKM B-1787)
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.

Product Details

Purity: > 90 %

Target Details

Target: NARS2

Alternative Name: Asparagine--tRNA ligase (asnS) ([NARS2 Products](#))

Background: Recommended name: Asparagine--tRNA ligase.
EC= 6.1.1.22.
Alternative name(s): Asparaginyl-tRNA synthetase.
Short name= AsnRS

UniProt: [Q97E56](#)

Pathways: [SARS-CoV-2 Protein Interactome](#)

Application Details

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

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

Storage: -20 °C

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

Publications

Product cited in: Teich, Sakurai, Patel, Holman, Saeed, Fiorito, Arancio: "PDE5 Exists in Human Neurons and is a Viable Therapeutic Target for Neurologic Disease." in: **Journal of Alzheimer's disease : JAD**, Vol. 52, Issue 1, pp. 295-302, (2016) ([PubMed](#)).