



# Recombinant Human Asparagine--tRNA ligase, cytoplasmic (NARS)

<b>Product Code</b>	CSB-YP015459HU
<b>Storage</b>	Store at -20°C, for extended storage, conserve at -20°C or -80°C.
<b>Uniprot No.</b>	O43776
<b>Product Type</b>	Recombinant Protein
<b>Immunogen Species</b>	Homo sapiens (Human)
<b>Purity</b>	>85% (SDS-PAGE)
<b>Sequence</b>	MVLAELYVSD REGSDATGDG TKEKPFKTGL KALMTVGKEP FPTIYVDSQK ENERWNVISK SQLKNIKKMW HREQMKSESR EKKEAEDSLR REKNLEEAKK ITIKNDPSLP EPKCVKIGAL EGYRGQRVKV FGWVHRLRRQ GKNLMFLVLR DGTGYLQCVL ADELQCQYNG VLLSTESSVA VYGMLNLTPK GKQAPGGHEL SCDFWELIGL APAGGADNLI NEESDVVDVQL NNRHMMIRGE NMSKILKARS MVTRCFRDHF FDRGYEYVTP PTLVQTQVEG GATLFKLDYF GEEAFLTQSS QLYLETCLPA LGDVFCIAQS YRAEQSRTRR HLAEYTHVEA ECPFLTFFDL LNRLEDLVCD VVDRILKSPA GSIVHELNPN FQPPKRPFKR MNYSDAIVWL KEHDVKKEDG TFYEFGEDIP EAPERLMTDT INEPILLCRF PVEIKSFYMQ RCPEDSRLTE SVDVLPNVG EIVGGSMRIF DSEEILAGYK REGIDPTPY WYTDQRKYGT CPHGGYGLGL ERFLTWILNR YHIRDVCLYP RFVQRCTP
<b>Source</b>	Yeast
<b>Target Names</b>	NARS
<b>Protein Names</b>	Recommended name: Asparagine--tRNA ligase, cytoplasmic EC= 6.1.1.22 Alternative name(s): Asparaginyl-tRNA synthetase Short name= AsnRS
<b>Expression Region</b>	1-548
<b>Notes</b>	Repeated freezing and thawing is not recommended. Store working aliquots at 4°C for up to one week.
<b>Tag Info</b>	Tag type will be determined during the manufacturing process.
<b>Protein Length</b>	Full length protein
<b>Target Details</b>	Aminoacyl-tRNA synthetases are a class of enzymes that charge tRNAs with their cognate amino acids. Asparaginyl-tRNA synthetase is localized to the cytoplasm and belongs to the class II family of tRNA synthetases. The N-terminal domain represents the signature sequence for the eukaryotic asparaginyl-tRNA synthetases.
<b>Reconstitution</b>	We recommend that this vial be briefly centrifuged prior to opening to bring the contents to the bottom. Please reconstitute protein in deionized sterile water to a concentration of 0.1-1.0 mg/mL. We recommend to add 5-50% of glycerol (final concentration) and aliquot for long-term storage at -20°C/-80°C. Our default final concentration of glycerol is 50%. Customers could use it as reference.



## Shelf Life

The shelf life is related to many factors, storage state, buffer ingredients, storage temperature and the stability of the protein itself.

Generally, the shelf life of liquid form is 6 months at -20°C/-80°C. The shelf life of lyophilized form is 12 months at -20°C/-80°C.