

## NARS Human

**Description:** NARS Human Recombinant produced in SF9 is a glycosylated, polypeptide chain having a calculated molecular mass of 63,853 Dalton. NARS is expressed with a -6xHis tag at N-terminus and purified by proprietary chromatographic techniques.

**Catalog #:** ENPS-723

**Synonyms:** Asparagine--tRNA ligase, cytoplasmic, EC 6.1.1.22, Asparaginyl-tRNA synthetase, AsnRS, NARS, NARS1.

For research use only.

**Source:** Sf9 Insect Cells.

**Physical Appearance:** Sterile Filtered clear solution.

**Purity:** Greater than 80.0% as determined by SDS-PAGE.

**Formulation:**

NARS is supplied in 20mM HEPES buffer pH-7.6, 250mM NaCl and 20% glycerol.

**Stability:**

Store at 4°C if entire vial will be used within 2-4 weeks. Store, frozen at -20°C for longer periods of time. Avoid multiple freeze-thaw cycles.

**Usage:**

NeoBiolab's products are furnished for LABORATORY RESEARCH USE ONLY. The product may not be used as drugs, agricultural or pesticidal products, food additives or household chemicals.

**Introduction:**

Aminoacyl-tRNA synthetases are a class of enzymes which charge tRNAs with their cognate amino acids. Asparaginyl-tRNA synthetase (NARS) is localized to the cytoplasm and is a member of the class II family of tRNA synthetases. The N-terminal domain characterizes the signature sequence for the eukaryotic asparaginyl-tRNA synthetases.

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