

32-6857: NARS Human

Alternative Name : NARS, Asparaginyl-TRNA Synthetase, AsnRS, EC 6.1.1.22, Asparaginyl-TRNA Synthetase, Cytoplasmic, Asparagine TRNA Ligase 1, Cytoplasmic, Asparagine--TRNA Ligase, Cytoplasmic, Asparagine TRNA Ligase 1, Cytoplasmic, NARS1.

Description

Source: E.coli.

Sterile Filtered colorless solution.

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.

NARS Human Recombinant produced in E.Coli is a single, non-glycosylated polypeptide chain containing 571 amino acids (1-548 a.a) and having a molecular mass of 65.3kDa. NARS is fused to a 23 amino acid His-tag at N-terminus & purified by proprietary chromatographic techniques.

Product Info

Amount : 2 µg / 10 µg

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

Content : NARS protein solution (0.25mg/ml) containing Phosphate Buffered Saline (pH7.4) and 10% glycerol.

Storage condition : Store at 4°C if entire vial will be used within 2-4 weeks. Store, frozen at -20°C for longer periods of time. For long term storage it is recommended to add a carrier protein (0.1% HSA or BSA). Avoid multiple freeze-thaw cycles.

Amino Acid : GSSHHHHHH SSSLVPRGSH MGSMVLAELY VSDREGSDAT GDGTKEKPFK TGLKALMTVG KEPFPTIYVD SQKENERWNV ISKSQLKNIK KMWHREQMKS ESREKKEAED SLRREKNLEE AKKITIKNDP SLPEPKCVKI GALEGYRGQR VKVFGWVHRL RRQGKNLMFL VLRDGTGYLQ CVLADELQC YNGVLLSTES SVAVYGMLNL TPKGKQAPGG HELSCDFWEL IGLAPAGGAD NLINEESDVD VQLNNRHMMI RGENMSKILK ARSMVTRCFR DHFFDRGYE VTPPTLVQTT VEGGATLFLK DYFGEEAFLT QSSQLYLETC LPALGDVFCI AQSRYAEQSR TRRHLEAYTH VEAECPLTF DLLNRLEDL VCDVVDRILK SPAGSIVHEL NPNFQPPKRP FKRMYSDAI VWLKEHDVKK EDGTFYEFGE DIPEAPERLM TDTINEPILL CRFPVEIKSF YMQRCPEDSR LTESVDVLMV NVGEIVGGSM RIFDSEEILA GYKREGIDPT PYYWYTDQRK YGTCPHGGYG LGLERFLTWI LNRYHIRDVC LYPRFVQRCT P.