

Asparagine tRNA Synthetase *Brugia Malayi* Recombinant

Item Number	rAP-1880
Synonyms	Asparagine--tRNA ligase, cytoplasmic (EC:6.1.1.22), Asparaginyl-tRNA synthetase, AsnRS, Potentially protective 63 kDa antigen.
Description	AsnRS <i>Brugia Malayi</i> Recombinant produced in E.Coli is a single, non-glycosylated, polypeptide chain containing 568 amino acids (including a 6xHis Tag at N-terminus) and having a molecular mass of 64.5kDa. The AsnRS is purified by proprietary chromatographic techniques.
Uniprot Accession Number	P10723
Amino Acid Sequence	MGSSHHHHH SSGLVPRGSH MTVYICPETG DDGNDGSELK PLRTLYQAMI ITKSSKGDFL IR-TKKDQKQV WEAASKTALK KSWKRYEQEM LKNEKVAAM LEKDATEVGV KAALKEAKKV QIELDTSLSY ITGVKIRDV KHRNERVCIK GWIHRMRRQG KSLMFFILRD GTGFLQVLLM DKLCQTYDAL TVNTECTVEI YGAIKEVPEG KEAPNGHELI ADFWKIIGNA PSGGIDNVLN EEASVDKMLD NRHLVIRGEN AAALLRLRAA ATRAMREHFY NAGYVEVAPP TLVQTQVEGG STLFNLDYFG EQSFLTQSSQ LYLETCTPTL GDVFLHCSVL QGGKISHSST LAEYAHVEAE CPFITLDDLM EKIEELVCDT VDRLLADEEA KKLEHINPK FQPPERPFLR MEYKDAIKWL QEHNVENEFQ NTFTYGEDIA EAAERFMTDT INKPILLNRF PSEIKAFYMQ RDAKDNTLTE SVDLLMPGVG EIVGGSMRIW KFDELSKAFK NVEIDPKPYY WYLDQRLYGT CPHG-
Source	Escherichia Coli.
Physical Appearance and Stability	Sterile filtered colorless solution. 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.
Formulation and Purity	AsnRS 0.2µm filtered solution containing 20mM HEPES, pH7.4, 100mM NaCl, 5mM MgCl ₂ , 5mM b-Mercaptoethanol and 10 % Glycerol. Greater than 95.0% as determined by SDS-PAGE.
Application	
Solubility	
Biological Activity	
Shipping Format and Condition	Lyophilized powder at room temperature.

Optimal dilutions should be determined by each laboratory for each application. The listed dilutions are for recommendation only and the final conditions should be optimized by the ender users! This product is sold for **Research Use Only**