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NARS, 1-548aa, Human, His tag, E.coli

产品货号: TP03098

第三版

别名:ASNRS, NARS1

**描述:**NARS also known as asparagine--tRNA ligase, cytoplasmic. This protein acts as an enzyme. It is known to catalyze the following reaction:  $ATP + L\text{-asparagine} + tRNA(Asn) = AMP + \text{diphosphate} + L\text{-asparaginyl-tRNA}(Asn)$ . 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. Recombinant human NARS, fused to His-tag at N-terminus, was expressed in E.coli and purified by using conventional chromatography techniques

**配方:**Liquid. In Phosphate Buffered Saline (pH7.4) containing 10% glycerol

**分子量:**65.3kDa (571aa)

**序列:**

MGSSHHHHHSSGLVPRGSHMGSMVLAELYVSDREGSDATGDGTKEKPFKTGLKALMTVGKEPFPTIYVDSQKENERW  
NVISKSQKLNKMKMWHREQMKSESREKKEAEDSLRREKNLEEAKKITIKNDPSLPEPKCVKIGALEGYRGQRVKVFGWVH  
RLRRQGKNLMFLVLRDGTGYLQCVLADELQCQYNGVLLSTESSVAVYGMLNLTPKKGKQAPGGHELSCDFWELIGLAPAG  
GADNLINEESDVDVQLNNRHMMIRGENMSKILKARSMVTRCFRDHFFDRGYEYVTPPTLVQTQVEGGATLFKLDYFGEE  
AFLTQSSQLYLETCLPALGDVFCIAQSYRAEQSRTRRHLAEYTHVEAECPLTFDDLNRLEDLVCDVVDRILKSPAGSIVHE  
LNPNFQPPKRPFKRMNYSDAIVWLKEHDVKKEDGTFYFEGEDIPEAPERLMTDTINEPILLCRFPVEIKSFYMQRPCEDSRL  
TESVDVLMPNVGEIVGGSMRIFDSEEILAGYKREGIDPTPYWYTDQRKYGTCPHGGYGLGLERFLTWILNRYHIRDVCLY  
PRFVQRCTP

**纯度:**> 95% by HPLC

**浓度:**0.25 mg/ml (determined by Absorbance at 280nm)

**内毒素:**<1.0 EU per 1 ug of protein (determined by LAL method)

**存储:**+4 ° C 保存 (1-2 周). 长期保存在-20 ° C或者-70 ° C. 避免反复冻融.