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GARS, 43-289aa, Human, His tag, E.coli

产品货号: TP02200

第三版

别名: Glycyl-tRNA synthetase, CMT2D, DSMAV, GlyRS, HMN5, SMAD1

**描述:** GARS, also known as glycyl-tRNA synthetase, is one of the aminoacyl-tRNA synthetases that charge tRNAs with their cognate amino acids. This enzyme is an (alpha)<sub>2</sub> dimer which belongs to the class II family of tRNA synthetases. It has been shown to be a target of autoantibodies in the human autoimmune diseases, polymyositis or dermatomyositis. Recombinant human GARS protein, fused to His-tag at N-terminus, was expressed in E.coli and purified by using conventional chromatography techniques.

**配方:** Liquid. In 20mM Tris-HCl buffer (pH 8.0) containing 0.15M NaCl, 10% glycerol, 1mM DTT

**分子量:** 30.0 kDa (270aa), confirmed by MALDI-TOF

**序列:**

MGSSHHHHHHSSGLVPRGSHMGSPISLPAAASRSSMDGAGAEVLAPLRLAVRQQGDLVRKLKEDKAPQVDVVKAVAE  
LKARKRVLEAKELALQPKDDIVDRAKMEDTLKRRFFYDQAFAIYGGVSGLYDFGPVGCALKNNIIQTRQHFHQEEQILEI  
DCTMLTPEPVLKTSGHVDFKADFVMDVKNCEFRADHLLKAHLQKLMSDKKCSVEKKSEMESVLAQLDNYGQQELA  
DLFVNYNVKSPITGNDLSPVSVFNLMFKTFIGPG

**纯度:** > 95% by HPLC

**浓度:** 0.5 mg/ml (determined by Bradford assay)

**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.