

Recombinant Human GARS Protein, His-tagged

Cat. No. GARS-4730H Lot. No. (See product label)

SPECIFICATION

Product Overview	Human GARS full-length recombinant protein with His tag expressed in Escherichia coli.
Species	Human
Source	E.coli
ProteinLength	1-739 aa
Description	This gene encodes glycyl-tRNA synthetase, one of the aminoacyl-tRNA synthetases that charge tRNAs with their cognate amino acids. The encoded enzyme is an (alpha)2 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. [provided by RefSeq]
Form	Liquid
Molecular Mass	79 kDa
Purity	95.1%
Applications	Western Blot ELISA Functional Study SDS-PAGE

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Usage	SDS-PAGE Western blot ELISA Antibody production Protein Array Activity assay The optimal working dilution should be determined by the end user.
Storage	Store at -80 centigrade. Aliquot to avoid repeated freezing and thawing.
Concentration	0.40 mg/mL
Storage Buffer	In PBS, pH 7.4 (20 µg/ml Kanamycin)
GENE INFORMATION	
Gene Name	GARS glycyl-tRNA synthetase [Homo sapiens]
Official Symbol	GARS
Synonyms	GARS; glycyl-tRNA synthetase; Charcot Marie Tooth neuropathy 2D, CMT2D; glycine--tRNA ligase; DSMAV; glycine tRNA ligase; GlyRS; SMAD1; AP-4-A synthetase; Charcot-Marie-Tooth neuropathy 2D; diadenosine tetraphosphate synthetase; Charcot-Marie-Tooth neuropathy, neuronal type, D; HMN5; CMT2D;
Gene ID	2617
mRNA Refseq	NM_002047
Protein Refseq	NP_002038

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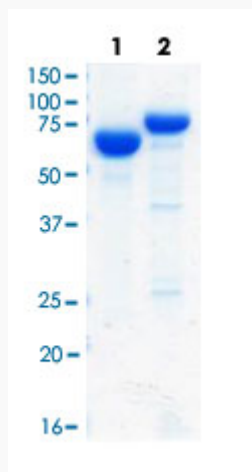
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MIM 600287

UniProt ID P41250

**Quality Control
Testing**



SDS-PAGE Stained with Coomassie Blue Loading 2 µg protein in SDS-PAGE:

Lane1: BSA

Lane2: His-GARS.

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