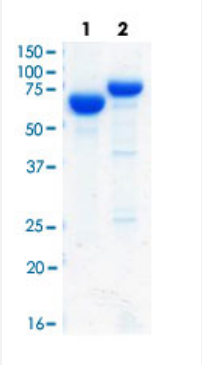
Full-Length

GARS (Human) recombinant protein

Catalog # P5933 Size 50 ug

Applications



Loading 2 ug protein in SDS-PAGE: Lane1: BSA, Lane2: His-GARS.

Specification

Product Description	Human GARS full-length recombinant protein with His tag expressed in *Escherichia coli*.
Host	Escherichia coli
Theoretical MW (kDa)	79
Form	Liquid
Preparation Method	*Escherichia coli* expression system
Purification	Multi-step chromatography.
Concentration	0.40 mg/ml
Purity	95.1%
Quality Control Testing	SDS-PAGE Stained with Coomassie Blue Loading 2 ug protein in SDS-PAGE: Lane1: BSA, Lane2: His-GARS.

Recommend Usage	SDS-PAGE Western blot ELISA Antibody production Protein Array Activity assay The optimal working dilution should be determined by the end user.
Storage Buffer	In PBS, pH 7.4 (20 ug/ml Kanamycin)
Storage Instruction	Store at -80°C. Aliquot to avoid repeated freezing and thawing.

Applications

- Western Blot
- Enzyme-linked Immunoabsorbent Assay
- Functional Study
- SDS-PAGE

Gene Info — GARS

Entrez GeneID	2617
Gene Name	GARS
Gene Alias	CMT2D, DSMAV, GlyRS, HMN5, SMAD1
Gene Description	glycyl-tRNA synthetase
Omim ID	600287 600794 601472
Gene Ontology	Hyperlink
Gene Summary	This gene encodes glycyl-tRNA synthetase, one of the aminoacyl-tRNA synthetases that charge t RNAs with their cognate amino acids. The encoded enzyme is an (alpha)2 dimer which belongs t o 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
Other Designations	Charcot-Marie-Tooth neuropathy 2D|Charcot-Marie-Tooth neuropathy, neuronal type, D|glycine tR NA ligase

Pathway

- Aminoacyl-tRNA biosynthesis

Disease

- Charcot-Marie-Tooth Disease
- Kidney Failure