

Recombinant Full Length Human GARS Protein, His tagged

Cat. No. GARS-12HFL Lot. No. (See product label)

SPECIFICATION

Product Overview	Recombinant Full Length Human GARS Protein fused to adeca-histidine purification tag was expressed in Spodoptera frugiperda Sf9 insectcells.
Species	Human
Source	Insect Cells
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. Two transcript variants encoding different isoforms have been found for this gene.
Immunological function	Binds IgG-type human auto-antibodies.
Molecular Mass	79 kDa
Bio-activity	SDS-PAGE; Western blot with i: anti-EJ autoantibody-positive sample; ii: monoclonal anti-His-tag antibody.
Calculated isoelectric point	pH 6.17

 Tel: 1-631-559-9269 1-516-512-3133

 Email: info@creative-biomart.com  Fax: 1-631-938-8127

 45-1 Ramsey Road, Shirley, NY 11967, USA

Immunological tests/Functionality	Immunodot analyses with positive/negative samples.
Purity	>80%
Storage	At -70 centigrade or below. Repeated freeze/thaw cycles should be avoided.
Storage Buffer	Neutral to slightly alkaline pH and 20% glycerol as cryoprotective agent.
GENE INFORMATION	
Gene Name	GARS1 glycyI-tRNA synthetase 1 [Homo sapiens (human)]
Official Symbol	GARS1
Synonyms	GARS1; glycyI-tRNA synthetase 1; GARS; HMN5; CMT2D; DSMAV; GlyRS; HMN5A; HMND5; SMAD1; SMAJI; glycine--tRNA ligase; AP-4-A synthetase; Charcot-Marie-Tooth neuropathy 2D; Charcot-Marie-Tooth neuropathy, neuronal type, D; ap4A synthetase; diadenosine tetraphosphate synthetase; EC 6.1.1.14
Gene ID	2617
mRNA Refseq	NM_002047
Protein Refseq	NP_002038
MIM	600287
UniProt ID	P41250

 Tel: 1-631-559-9269 1-516-512-3133

 Email: info@creative-biomart.com  Fax: 1-631-938-8127

 45-1 Ramsey Road, Shirley, NY 11967, USA