

Recombinant Human GARS1 Protein (Val567-Lys734), N-His tagged

Cat. No. GARS1-3043H **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant human GARS1 (Val567-Lys734) protein fused with the N-His tag was expressed in E. coli.
Species	Human
Source	E.coli
ProteinLength	Val567-Lys734
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.
Molecular Mass	21.22 kDa
Purity	>90 % as determined by SDS-PAGE.
Notes	For research use only.
Storage	Use a manual defrost freezer and avoid repeated freeze thaw cycles. Store at 2 to 8 centigrade for one week. Store at -20 to -80 centigrade for twelve months from the

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	date of receipt.
Storage Buffer	0.01M PBS, pH 7.4, 0.02 % NLS
Reconstitution	Reconstitute in sterile water for a stock solution.
Shipping	In general, proteins are provided as lyophilized powder/frozen liquid. They are shipped out with dry ice/blue ice unless customers require otherwise.
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; 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

SDS-PAGE



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