Recombinant Full Length Human GARS Protein (Met1-Glu739), His-tagged

Cat. No. GARS-675H **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant Human GARS Protein (NP_002038.2) (Met1-Glu739) was produced by Baculovirus-Insect Cells expression system. This protein was expressed with a polyhistidine tag at the N-terminus.
Species	Human
Source	Insect Cells
ProteinLength	1-739 aa
Predicted N Terminal	His
Form	Lyophilized from sterile 20 mM Tris, pH 7.5, 150 mM Nacl, 20 % glycerol. Normally 5 % - 8 % trehalose, mannitol and 0.01% Tween80 are added as protectants before lyophilization.
Molecular Mass	The recombinant human GARS consists of 758 amino acids and predicts a molecular mass of 85.5 kDa.
Endotoxin	< 1.0 EU per μg protein as determined by the LAL method.
Purity	> 85 % as determined by SDS-PAGE.
Stability	Samples are stable for up to twelve months from date of receipt at -70 centigrade.

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

Storage	Store it under sterile conditions at -20 centigrade to -80 centigrade. It is recommended that the protein be aliquoted for optimal storage. Avoid repeated freeze-thaw cycles.
Reconstitution	It is recommended that sterile water be added to the vial to prepare a stock solution of 0.2 mg/ml. Centrifuge the vial at 4℃ before opening to recover the entire contents.
Shipping	In general, recombinant proteins are provided as lyophilized powder which are shipped at ambient temperature. Bulk packages of recombinant proteins are provided as frozen liquid. They are shipped out with blue ice unless customers require otherwise.

GENE INFORMATION

Gene Name	GARS glycyl-tRNA synthetase [Homo sapiens]
Official Symbol	GARS
Synonyms	GARS; DSMAV; glycine tRNA ligase; GlyRS; SMAD1; AP-4-A synthetase; HMN5; CMT2D;
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