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Recombinant Glycyl tRNA Synthetase (GARS)

Catalog Number: SIPC994Hu01 **Spec: 50ug**

Product Name	Recombinant Glycyl tRNA Synthetase (GARS)
Catalog Number	SIPC994Hu01
Organism Species	Human
Source	Prokaryotic expression.
Host	E. coli
Residues	Val567~Glu735
Tags	N-terminal His-Tag
Tissue Specificity	Brain, Spinal Cord.
Subcellular Location	Mitochondrion. Cytoplasm.
Purity	>93%
Traits	Freeze-dried powder
Buffer formulation	20mM Tris, 150mM NaCl, pH8.0, containing 1mM EDTA, 1mM DTT, 0.01% sarcosyl, 5%Trehalose and Proclin300.
Original Concentration	200ug/mL
Applications	SDS-PAGE; WB; ELISA; IP; CoIP; Purification; Amine Reactive Labeling. (May be suitable for use in other assays to be determined by the end user.)
Predicted isoelectric point	5.1
Predicted Molecular Mass	22.7kDa
Accurate Molecular Mass	23kDa as determined by SDS-PAGE reducing conditions.

[USAGE]

Reconstitute in 20mM Tris, 150mM NaCl (pH8.0) to a concentration of 0.1-1.0 mg/mL. Do not vortex.

[STORAGE AND STABILITY]

Storage: Avoid repeated freeze/thaw cycles.

Store at 2-8oC for one month.

Aliquot and store at -80oC for 12 months.

Stability Test: The thermal stability is described by the loss rate. The loss rate

was determined by accelerated thermal degradation test, that is, incubate the protein at 37oC for 48h, and no obvious degradation and precipitation were observed. The loss rate is less than 5% within the expiration date under appropriate storage condition.

[SEQUENCE]

VEEV VPNVIEPSFG LGRIMYTVFE HTFHVREGDE
QRTFFSFPAV VAPFKCSVLP LSQNQEFMPF VKELSEALTR HGVSHKVDDS
SGSIGRRYAR TDEIGVAFGV TIDFDTVNKT PHTATLRDRD SMRQIRAEIS
ELPSIVQDLA NGNITWADVE ARYPLFEGQE TGKKE

[IDENTIFICATION]

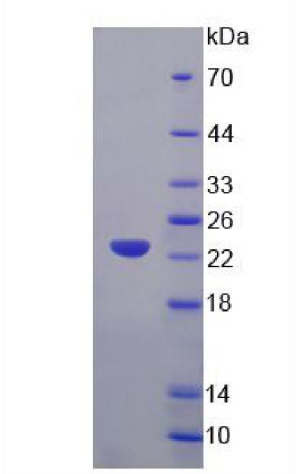


Figure 1. SDS-PAGE