

Product datasheet for TP510334

Gars (NM_180678) Mouse Recombinant Protein

Product data:

Product Type:	Recombinant Proteins
Description:	Purified recombinant protein of Mouse glycyl-tRNA synthetase (Gars), with C-terminal MYC/DDK tag, expressed in HEK293T cells, 20ug
Species:	Mouse
Expression Host:	HEK293T
Expression cDNA Clone or AA Sequence:	>MR210334 protein sequence Red=Cloning site Green=Tags(s)

MPCLLP SLLRATRAALPLLSPPRVVAASASQRLLSAPAQPAASRSSMDSA EELLAPLRLAVRQQGDFVRK
LKEDKAPQVDVDRAVAELKARKRVLEAKELALQPKDDIVDRAKMEDTLKRRFFYDQAFAYGGVSGLYDF
GPVGCALKNNIIQAWRQHFIQEEQILEIDCTMLTPEPVLKTSGHVDFADFMVKDVKNGECFRADHLLKA
HLQKLM SDDKKCSAEKKSEMESVLAQLDNYGQQELADLFVNYNVKSPTTGNDLSPVPFNLMFQTFIGPGG
NMPGYLRPETAQGIFLNFKRLLFEFNQGLPFAAAQIGNSFRNEISPRSLIRVREFTMAEIEHFVDPTTEK
DHPKFQSVADLCLYLYSAKAQVTGQSARKMRLGDAVEQGVINNSVLGYFIGRIYLYLTKVGISPDKLRFR
QHMENEMAHYACDCWDAESKTSYGWIEIVGCADRSCYDLSCHARATKVP LVAEKPLKEPKTVNVVQFEPN
KGAVGKAYKKDAKL VLEYLSACDECISEMELLLSEKGEFTIETEGKTFQLTKDMVSVKRFQKTLHVEEV
VPSVIEPSFGLGRIMYTILEHTFHVREGDEQRTFFSFPVAVVAPFKCSVLPLSQNQEFMPFVKELSEALTR
NGVSHKVDSSGSIGRRYARTDEIGVAFGITIDFDTVNKTPHTATLRDRDSMRQIRAEVSELPSVVRDLA
NGNITWADVEARYPLFEGQETGKKETVEE

TRTRPLEQLISEEDLAANDILDYKDDDDKV

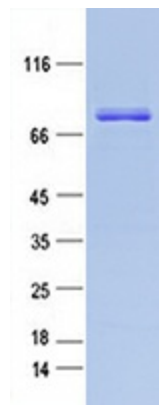
Tag:	C-MYC/DDK
Predicted MW:	81.9 kDa
Concentration:	>0.05 µg/µL as determined by microplate BCA method
Purity:	> 80% as determined by SDS-PAGE and Coomassie blue staining
Buffer:	25 mM Tris-HCl, 100 mM glycine, pH 7.3, 10% glycerol
Note:	For testing in cell culture applications, please filter before use. Note that you may experience some loss of protein during the filtration process.
Storage:	Store at -80°C after receiving vials.



[View online »](#)

Stability:	Stable for 12 months from the date of receipt of the product under proper storage and handling conditions. Avoid repeated freeze-thaw cycles.
RefSeq:	NP_851009
Locus ID:	353172
UniProt ID:	Q9CZD3
RefSeq Size:	2390
Cytogenetics:	6 27.29 cM
RefSeq ORF:	2190
Synonyms:	Gena201; GENA202; Nmf249; Sgrp23
Summary:	Catalyzes the ATP-dependent ligation of glycine to the 3'-end of its cognate tRNA, via the formation of an aminoacyl-adenylate intermediate (Gly-AMP). Also produces diadenosine tetraphosphate (Ap4A), a universal pleiotropic signaling molecule needed for cell regulation pathways, by direct condensation of 2 ATPs. Thereby, may play a special role in Ap4A homeostasis.[UniProtKB/Swiss-Prot Function]

Product images:



Purified recombinant protein Gars was analyzed by SDS-PAGE gel and Coomossie Blue Staining.