



# Recombinant Human GARS [His] (DAG-WT2262)

This product is for research use only and is not intended for diagnostic use.

## PRODUCT INFORMATION

Species	Human
Purity	> 95% as determined by SDS-PAGE
Conjugate	His
Applications	Immunoassays
Molecular Weight	80.3 kDa
Format	Liquid
Size	50 µg, 500 µg, 1 mg
Buffer	25mM Tris-HCl, 100mM Glycine, 200mM NaCl, 20% Glycerol, pH8.0
Preservative	None
Storage	Store at -20°C

## BACKGROUND

Introduction	Catalyzes the ATP-dependent ligation of glycine to the 3'-end of its cognate tRNA, via the formation of an aminoacyl-adenylate intermediate. 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.
Keywords	Glycine-tRNA ligase; GARS1

# GENE INFORMATION

UniProt ID	P41250
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