

## Recombinant Human GART Protein, GST-tagged

Cat. No. GART-4732H Lot. No. (See product label)

### SPECIFICATION

<b>Product Overview</b>	Human GART full-length ORF ( AAH38958.1, 1 a.a. - 433 a.a.) recombinant protein with GST-tag at N-terminal.
<b>Species</b>	Human
<b>Source</b>	Wheat Germ
<b>Description</b>	The protein encoded by this gene is a trifunctional polypeptide. It has phosphoribosylglycinamide formyltransferase, phosphoribosylglycinamide synthetase, phosphoribosylaminoimidazole synthetase activity which is required for de novo purine biosynthesis. This enzyme is highly conserved in vertebrates. Alternative splicing of this gene results in two transcript variants encoding different isoforms. [provided by RefSeq]
<b>Molecular Mass</b>	73.37 kDa
<b>AA Sequence</b>	MAARVLIIGSGGREHTLAWKLAQSHHVQVLVAPGNAGTACSEKISNTAISDHTAL AQFCKEKKIEFVVVGPEAPLAAGIVGNLRSAGVQCFGPTAEAAQLESSKRFAKEFMD RHGIPTAQWKAFTKPEEACSFILSADFPALVVKASGLAAGKGVIVAKSKEEACKAVQ EIMQEKAFGAAGETIVIEELLDGEEVSCLCFTDGKTVAPMPPAQDHKRLLLEGDGGPN TGGMGAYCPAPQVSNLLLLKIKDTVLQRTVDGMQQEGTPYTGILYAGIMLTKNGPK VLEFNCRFGDPECQVILPLLKSDLYEVIQSTLDGLLCTSLPVWLENHTALTVMASKG YPGDYTKGVEITGFPEAQALGLEVFHAGTALKNGKVVTHGGRVLAVTAIRENLISALE EAKKGLAAIKFEGAIYRKDVGFRAIAFLQQPR

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<b>Applications</b>	Enzyme-linked Immunoabsorbent Assay Western Blot (Recombinant protein) Antibody Production Protein Array
<b>Notes</b>	Best use within three months from the date of receipt of this protein.
<b>Storage</b>	Store at -80 centigrade. Aliquot to avoid repeated freezing and thawing.
<b>Storage Buffer</b>	50 mM Tris-HCl, 10 mM reduced Glutathione, pH=8.0 in the elution buffer.

## GENE INFORMATION

<b>Gene Name</b>	GART phosphoribosylglycinamide formyltransferase, phosphoribosylglycinamide synthetase, phosphoribosylaminoimidazole synthetase [ Homo sapiens ]
<b>Official Symbol</b>	GART
<b>Synonyms</b>	GART; phosphoribosylglycinamide formyltransferase, phosphoribosylglycinamide synthetase, phosphoribosylaminoimidazole synthetase; PGFT, PRGS; trifunctional purine biosynthetic protein adenosine-3; AIRS; GARS; PAIS; PGFT; PRGS; GARTF; MGC47764;
<b>Gene ID</b>	2618
<b>mRNA Refseq</b>	NM_000819
<b>Protein Refseq</b>	NP_000810
<b>MIM</b>	138440

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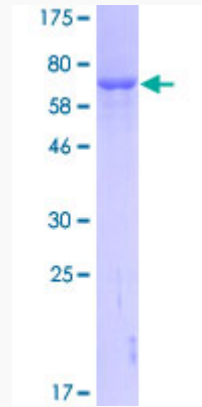
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UniProt ID

P22102

Quality Control  
Testing



12.5% SDS-PAGE Stained with Coomassie Blue.

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