

Recombinant Full Length Human GART Protein, GST-tagged

Cat. No. GART-5447HF **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Human GART full-length ORF (AAH38958.1, 1 a.a. - 433 a.a.) recombinant protein with GST-tag at N-terminal.
Species	Human
Source	In Vitro Cell Free System
ProteinLength	433 amino acids
Description	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]
Molecular Mass	73.37 kDa
AA Sequence	MAARVLIIGSGGREHTLAWKLAQSHHV KQVLVAPGNAGTACSEKISNTAISISDHTAL AQFCKEKKIEFVVVGPEAPLAAGIVGNLRSAGVQCFGPTAEAAQLESSKRFAKEFMD RHGIPTAQWKAFTKPEEACSFILSADFPALVVKASGLAAGKGVIVAKSKEEACKAVQ EIMQEKAFGAAGETIVIEELLDGEEVSCLCFTDGKTVAPMPPAQD HKRLLEGDGGPN TGGMGAYCPAPQVSNLLLLKIKDTVLQRTVDGMQQEGTPYTGILYAGIMLTKN GPK VLEFNCRFGDPECQVILPLLKSDLYEVIQSTLDGLLCTSLPVWLENHTALT VVMASKG YPGDYTKGVEITGFPEAQALGLEVFHAGTALKNGKVVTHGGRVLAVTAIRENLISALE

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	EAKKGLAAIKFEGAIYRKDVGFRAIAFLQQPR
Applications	Enzyme-linked Immunoabsorbent Assay Western Blot (Recombinant protein) Antibody Production Protein Array
Notes	Best use within three months from the date of receipt of this protein.
Storage	Store at -80 centigrade. Aliquot to avoid repeated freezing and thawing.
Storage Buffer	50 mM Tris-HCl, 10 mM reduced Glutathione, pH=8.0 in the elution buffer.
GENE INFORMATION	
Gene Name	GART phosphoribosylglycinamide formyltransferase, phosphoribosylglycinamide synthetase, phosphoribosylaminoimidazole synthetase [Homo sapiens]
Official Symbol	GART
Synonyms	GART; phosphoribosylglycinamide formyltransferase, phosphoribosylglycinamide synthetase, phosphoribosylaminoimidazole synthetase; PGFT, PRGS; trifunctional purine biosynthetic protein adenosine-3; AIRS; GARS; PAIS; PGFT; PRGS; GARTF; MGC47764;
Gene ID	2618
mRNA Refseq	NM_000819
Protein Refseq	NP_000810

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MIM	138440
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UniProt ID	P22102
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