

Recombinant Human APRT protein, GST-tagged

Cat. No. APRT-729H **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Human APRT full-length ORF (NP_000476.1, 1 a.a. - 180 a.a.) recombinant protein with GST-tag at N-terminal.
Species	Human
Source	Wheat Germ
Description	Adenine phosphoribosyltransferase belongs to the purine/pyrimidine phosphoribosyltransferase family. A conserved feature of this gene is the distribution of CpG dinucleotides. This enzyme catalyzes the formation of AMP and inorganic pyrophosphate from adenine and 5-phosphoribosyl-1-pyrophosphate (PRPP). It also produces adenine as a by-product of the polyamine biosynthesis pathway. A homozygous deficiency in this enzyme causes 2,8-dihydroxyadenine urolithiasis. Two transcript variants encoding different isoforms have been found for this gene. [provided by RefSeq, Jul 2008]
Molecular Mass	46 kDa
AA Sequence	MADSELQLVEQRI RSFPDFPTPGVVFRDISPVLKDPASFRAAIGLLARHLKATHGGRI DYIAGLDSRGFLFGPSLAQELGLGCVLIRKRGKLPGPTLWASYSLEYGKAELEIQKDA LEPGQRVVVDDLLATGGTMNAACELLGRLQAEVLECVSLVELTSLKGREKLAPVPF FSLQYE
Applications	Enzyme-linked Immunoabsorbent Assay; Western Blot (Recombinant protein); Antibody Production; Protein Array

 Tel: 1-631-559-9269 1-516-512-3133

 Email: info@creative-biomart.com  Fax: 1-631-938-8127

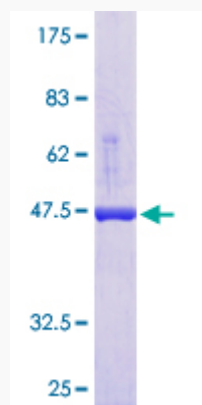
 45-1 Ramsey Road, Shirley, NY 11967, USA

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	APRT adenine phosphoribosyltransferase [Homo sapiens]
Official Symbol	APRT
Synonyms	APRT; adenine phosphoribosyltransferase; AMP diphosphorylase; AMP pyrophosphorylase; transphosphoribosidase; AMP; MGC125856; MGC125857; MGC129961; DKFZp686D13177;
Gene ID	353
mRNA Refseq	NM_000485
Protein Refseq	NP_000476
UniProt ID	P07741

 Tel: 1-631-559-9269 1-516-512-3133

 Email: info@creative-biomart.com  Fax: 1-631-938-8127

 45-1 Ramsey Road, Shirley, NY 11967, USA



12.5% SDS-PAGE Stained with Coomassie Blue.

Tel: 1-631-559-9269 1-516-512-3133

Email: info@creative-biomart.com Fax: 1-631-938-8127

45-1 Ramsey Road, Shirley, NY 11967, USA