

## Recombinant Human NAPRT1 cell lysate

Cat. No. NAPRT1-1165HCL Lot. No. (See product label)

### SPECIFICATION

<b>Species</b>	Human
<b>Description</b>	Nicotinic acid (NA; niacin) is converted by nicotinic acid phosphoribosyltransferase (NAPRT; EC 2.4.2.11) to NA mononucleotide (NaMN), which is then converted to NA adenine dinucleotide (NaAD), and finally to nicotinamide adenine dinucleotide (NAD), which serves as a coenzyme in cellular redox reactions and is an essential component of a variety of processes in cellular metabolism including response to stress (Hara et al., 2007).
<b>Size</b>	100 ul
<b>Storage Buffer</b>	1X Sample Buffer (50 mM Tris-HCl, 2% SDS, 10% glycerol, 300 mM 2-mercaptoethanol, 0.01% Bromophenol blue)
<b>Applications</b>	Western Blot;

### GENE INFORMATION

<b>Gene Name</b>	NAPRT1 nicotinate phosphoribosyltransferase domain containing 1 [ Homo sapiens ]
<b>Official Symbol</b>	NAPRT1
<b>Synonyms</b>	NAPRT1; nicotinate phosphoribosyltransferase domain containing 1; nicotinate phosphoribosyltransferase; PP3856; NAPRTase; FHA-HIT-interacting protein; nicotinic acid phosphoribosyltransferase; nicotinate phosphoribosyltransferase

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

 Email: [info@creative-biomart.com](mailto:info@creative-biomart.com)  Fax: 1-631-938-8127

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

	domain-containing protein 1;
<b>Gene ID</b>	93100
<b>mRNA Refseq</b>	NM_145201
<b>Protein Refseq</b>	NP_660202
<b>MIM</b>	611552
<b>UniProt ID</b>	Q6XQN6
<b>Chromosome Location</b>	8q24.3
<b>Pathway</b>	Metabolic pathways, organism-specific biosystem; Metabolism, organism-specific biosystem; Metabolism of vitamins and cofactors, organism-specific biosystem; Metabolism of water-soluble vitamins and cofactors, organism-specific biosystem; Nicotinamide salvaging, organism-specific biosystem; Nicotinate and nicotinamide metabolism, organism-specific biosystem; Nicotinate and nicotinamide metabolism, conserved biosystem;
<b>Function</b>	nicotinate phosphoribosyltransferase activity; nicotinate phosphoribosyltransferase activity; nicotinate-nucleotide diphosphorylase (carboxylating) activity; transferase activity, transferring glycosyl groups;

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