Recombinant Human NAPRT1 cell lysate

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

SPECIFICATION

Product Overview	
Species	Human
Description	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).
Size	100 ul
Storage Buffer	1X Sample Buffer (50 mM Tris-HCl, 2% SDS, 10% glycerol, 300 mM 2-mercaptoethanol, 0.01% Bromophenol blue)
Applications	Western Blot;

GENE INFORMATION

Gene Name	NAPRT1 nicotinate phosphoribosyltransferase domain containing 1 [Homo sapiens]
Official Symbol	NAPRT1
Synonyms	NAPRT1; nicotinate phosphoribosyltransferase domain containing 1; nicotinate phosphoribosyltransferase; PP3856; NAPRTase; FHA-HIT-interacting protein;

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	nicotinic acid phosphoribosyltransferase; nicotinate phosphoribosyltransferase domain-containing protein 1;
Gene ID	93100
mRNA Refseq	NM_145201
Protein Refseq	NP_660202
MIM	611552
UniProt ID	Q6XQN6
Chromosome Location	8q24.3
Pathway	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;
Function	nicotinate phosphoribosyltransferase activity; nicotinate phosphoribosyltransferase activity; nicotinate-nucleotide diphosphorylase (carboxylating) activity; transferase activity, transferring glycosyl groups;

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