Recombinant Full Length Human NAPRT Protein, GST-tagged

Cat. No. NAPRT-6839HF **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Human NAPRT1 full-length ORF (NP_660202.2, 1 a.a. - 466 a.a.) recombinant protein with GST-tag at N-terminal was expressed in wheat germ expression system.
Species	Human
Source	In Vitro Cell Free System
ProteinLength	466 amino acids
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.
Molecular Mass	76 kDa
AA Sequence	MALGYWRAGRARDAAEFELFFRRCPFGGAFALAAGLRDCVRFLRAFRLRDADVQF LASVLPPDTDPAFFEHLRALDCSEVTVRALPEGSLAFPGVPLLQVSGPLLVVQLLETP LLCLVSYASLVATNAARLRLIAGPEKRLLEMGLRRAQGPDGGLTASTYSYLGGFDSS SNVLAGQLRGVPVAGTLAHSFVTSFSGSEVPPDPMLAPAAGEGPGVDLAAKAQVW LEQVCAHLGLGVQEPHPGERAAFVAYALAFPRAFQGLLDTYSVWRSGLPNFLAVAL ALGELGYRAVGVRLDSGDLLQQAQEIRKVFRAAAAQFQVPWLESVLIVVSNNIDEEA LARLAQEGSEVNVIGIGTSVVTCPQQPSLGGVYKLVAVGGQPRMKLTEDPEKQTLP

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	GSKAAFRLLGSDGSPLMDMLQLAEEPVPQAGQELRVWPPGAQEPCTVRPAQVEPL LRLCLQQGQVAAPPPSS
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	NAPRT nicotinate phosphoribosyltransferase [Homo sapiens (human)]
Official Symbol	NAPRT
Synonyms	NAPRT; nicotinate phosphoribosyltransferase; NAPRT1; PP3856; nicotinate phosphoribosyltransferase; FHA-HIT-interacting protein; NAPRTase; nicotinate phosphoribosyltransferase domain containing 1; nicotinate phosphoribosyltransferase domain-containing protein 1; nicotinic acid phosphoribosyltransferase; EC 6.3.4.21
Gene ID	93100
mRNA Refseq	NM_145201
Protein Refseq	NP_660202

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MIM	611552
UniProt ID	Q6XQN6

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