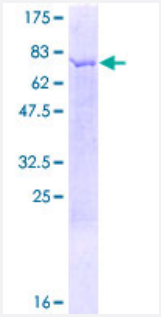
Full-Length

NAPRT1 (Human) Recombinant Protein (P01)

Catalog # H00093100-P01 Size 25 ug, 10 ug

Applications



Specification

Product Description	Human NAPRT1 full-length ORF (NP_660202.2, 1 a.a. - 466 a.a.) recombinant protein with GST-tag at N-terminal.
Sequence	MALGYWRAGRARDAAEFELFFRRCPFGGAFALAAGLRDCVRFLRAFRLRDADVQFLASVLPPD TDPAFFEHLRALDCSEVTVRALPEGSLAFPGVPLLQVSGPLLVVQLLETPLLCLVSYASLVATNA ARLRLIAGPEKRLLEMGLRRAQGPDGGLTASTYSYLGGFDSSSNVLAGQLRGVPVAGTLAHSFVT SFSGSEVPPDPMLAPAAGEGPGVDLAAKAQVWLEQVCAHLGLGVQEPHPGERAAFVAYALAF PRAFQGLLDTYSVWRSGLPNFLAVALALGELGYRAVGVRLDSGDLLQQAQEIRKVFRAAAAQFQ VPWLESVLIVVSNNIDEEALARLAQEGSEVNVIGIGTSVVTCPQQPSLGGVYKLVAVGGQPRMKLT EDPEKQTLPGSKAAFRLLGSDGSPLMDMLQLAEEPVPQAGQELRVWPPGAQEPCTVRPAQVE PLLRLCLQQGQVAAPPPSS
Host	Wheat Germ (in vitro)
Theoretical MW (kDa)	76
Interspecies Antigen Sequence	Mouse (87)
Preparation Method	*in vitro* wheat germ expression system
Purification	Glutathione Sepharose 4 Fast Flow
Quality Control Testing	12.5% SDS-PAGE Stained with Coomassie Blue.

Storage Buffer	50 mM Tris-HCl, 10 mM reduced Glutathione, pH=8.0 in the elution buffer.
Storage Instruction	Store at -80°C. Aliquot to avoid repeated freezing and thawing.
Note	Best use within three months from the date of receipt of this protein.

Applications

- Enzyme-linked Immunoabsorbent Assay
- Western Blot (Recombinant protein)
- Antibody Production
- Protein Array

Gene Info — NAPRT1

Entrez GeneID	93100
GeneBank Accession#	NM_145201.3
Protein Accession#	NP_660202.2
Gene Name	NAPRT1
Gene Alias	PP3856
Gene Description	nicotinate phosphoribosyltransferase domain containing 1
Omim ID	611552
Gene Ontology	Hyperlink
Gene Summary	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 (Na AD), and finally to nicotinamide adenine dinucleotide (NAD), which serves as a coenzyme in cellul ar redox reactions and is an essential component of a variety of processes in cellular metabolism including response to stress (Hara et al., 2007).[supplied by OMIM
Other Designations	nicotinic acid phosphoribosyltransferase