

Nicotinate phosphoribosyltransferase Recombinant Protein | NAPRT1 recombinant protein

Recombinant Human Nicotinate phosphoribosyltransferase (NAPRT1), partial

CATALOG # AAA18538	HOST E Coli or Yeast or Baculovirus or Mammalian Cell
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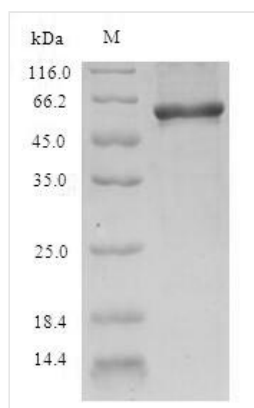
PRODUCT SYNONYMS

Nicotinate phosphoribosyltransferase; Recombinant Human Nicotinate phosphoribosyltransferase (NAPRT1); partial; FHA-HIT-interacting protein; Nicotinate phosphoribosyltransferase domain-containing protein 1; NAPRT1 recombinant protein

PRODUCT SPECIFICATIONS

Host	E Coli or Yeast or Baculovirus or Mammalian Cell
Purity/Purification	Greater or equal to 85% purity as determined by SDS-PAGE.
Form/Format	Lyophilized or liquid (Format to be determined during the manufacturing process)
Sequence Positions	229-538aa; Partial
Sequence	MLAPAAGEGP GVDLAAKAQV WLEQVCAHLG LGVQEPHPGE RAAFVAYALA FPRAFQGLLD TYSVWRSGLP NFLAVALALG ELGYRAVGVR LDSGDLQQA QEIRKVFRAA AAQFQVPWLE SVLIVVSNNI DEEALARLAQ EGSEVNVIGI GTSVVTCPQQ PSLGGVYKLV AVGGQPRMKL TEDPEKQTLG GSKAAFRLLG SDGSPLMDML QLAEEPVPQA GQELRVWPPG AQEPCTVRPA QVEPLLRLCL QGQQLCEPLP SLAESRALAQ LSLSRLSPEH RRLRSPAQYQ VVLSERLQAL VNSLCAGQSP
Preparation and Storage	Store at -20 degree C, for extended storage, conserve at -20 degree C or -80 degree C.

IMAGES



SDS-PAGE

ADDITIONAL INFORMATION

Related Product Information for NAPRT1 recombinant protein	Catalyzes the conversion of nicotinic acid (NA) to NA mononucleotide (NaMN). Essential for NA to increase cellular NAD levels and prevent oxidative stress of the cells.
Product Categories/Family for NAPRT1 recombinant protein	Metabolism

References	Elevation of cellular NAD levels by nicotinic acid and involvement of nicotinic acid phosphoribosyltransferase in human cells.Hara N., Yamada K., Shibata T., Osago H., Hashimoto T., Tsuchiya M.J. Biol. Chem. 282:24574-24582(2007) Identification of nicotinate phosphoribosyltransferase as a novel FHA-HIT interaction protein (FHIP) .Huang C.-H., Chen H., Chen Y. Global, in vivo, and site-specific phosphorylation dynamics in signaling networks.Olsen J.V., Blagoev B., Gnad F., Macek B., Kumar C., Mortensen P., Mann M.Cell 127:635-648(2006) A probability-based approach for high-throughput protein phosphorylation analysis and site localization.Beausoleil S.A., Villen J., Gerber S.A., Rush J., Gygi S.P.Nat. Biotechnol. 24:1285-1292(2006) A quantitative atlas of mitotic phosphorylation.Dephoure N., Zhou C., Villen J., Beausoleil S.A., Bakalarski C.E., Elledge S.J., Gygi S.P.Proc. Natl. Acad. Sci. U.S.A. 105:10762-10767(2008) Quantitative phosphoproteomics reveals widespread full phosphorylation site occupancy during mitosis.Olsen J.V., Vermeulen M., Santamaria A., Kumar C., Miller M.L., Jensen L.J., Gnad F., Cox J., Jensen T.S., Nigg E.A., Brunak S., Mann M.Sci. Signal. 3:RA3-RA3(2010) Initial characterization of the human central proteome.Burkard T.R., Planyavsky M., Kaupe I., Breitwieser F.P., Buerckstuemmer T., Bennett K.L., Superti-Furga G., Colinge J.BMC Syst. Biol. 5:17-17(2011) System-wide temporal characterization of the proteome and phosphoproteome of human embryonic stem cell differentiation.Rigbolt K.T., Prokhorova T.A., Akimov V., Henningsen J., Johansen P.T., Kratchmarova I., Kassem M., Mann M., Olsen J.V., Blagoev B.Sci. Signal. 4:RS3-RS3(2011) Characterization of human nicotinate phosphoribosyltransferase Kinetic studies, structure prediction and functional analysis by site-directed mutagenesis.Galassi L., Di Stefano M., Brunetti L., Orsomando G., Amici A., Ruggieri S., Magni G.Biochimie 94:300-309(2012) An enzyme assisted RP-RPLC approach for in-depth analysis of human liver phosphoproteome.Bian Y., Song C., Cheng K., Dong M., Wang F., Huang J., Sun D., Wang L., Ye M., Zou H.J. Proteomics 96:253-262(2014)
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NCBI AND UNIPROT INFORMATION

NCBI GI #	558472750
NCBI GeneID	93100
NCBI Accession #	NP_001273758.1
NCBI GenBank Nucleotide #	NM_001286829.1
UniProt Accession #	Q6XQN6 ; Q6PJL1 ; Q6XQN4 ; Q6XQN5 ; Q8N5E8 ; Q9BRG0 ; A7BF13
Molecular Weight	35.2 kDa
NCBI Official Full Name	nicotinate phosphoribosyltransferase isoform 2
NCBI Official Synonym Full Names	nicotinate phosphoribosyltransferase
NCBI Official Symbol	NAPRT
NCBI Official Synonym Symbols	NAPRT1; PP3856
NCBI Protein Information	nicotinate phosphoribosyltransferase
UniProt Protein Name	Nicotinate phosphoribosyltransferase
UniProt Gene Name	NAPRT
UniProt Synonym Gene Names	FHIP; NAPRT1; NAPRTase
UniProt Entry Name	PNCB_HUMAN

For Research Use Only. Not for use in diagnostic or therapeutic procedures. Small volumes of product may become entrapped in the seal of the vial during shipment and storage; if necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the cap.

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Online datasheet: <https://www.aaabiotech.com/naprt-recombinant-protein-e-coli/18538>