

Datasheet for ABIN7550925
NAPRT1 Protein (AA 1-538) (His tag)



[Go to Product page](#)

Overview

Quantity:	1 mg
Target:	NAPRT1 (NAPRT)
Protein Characteristics:	AA 1-538
Origin:	Human
Source:	HEK-293 Cells
Protein Type:	Recombinant
Purification tag / Conjugate:	This NAPRT1 protein is labelled with His tag.

Product Details

Purpose:	Custom-made recombinant NAPRT Protein expressed in mammalian cells.
Sequence:	<p>MAAEQDPEAR AAARPLLTDL YQATMALGYW RAGRARDAE FELFFRRCPF GGAFALAAGL RDCVRFLRAF RLRDADVQFL ASVLPPDTP AFFEHLRALD CSEVTVRALP EGSLAFPGVP LLQVSGPLL VQLLETPLLC LVSYASLVAT NAARLRLIAG PEKRLLEMGL RRAQGPDGGL TASTYSYLG GFDSSSNVLAG QLRGVPVAGT LAHSFVTSFS GSEVPPDPML APAAGEGPGV DLAAKAQVWL EQVCAHLGLG VQEPHPGERA AFVAYALAFP RAFQGLLDY SVWRSGLPNF LAVALALGEL GYRAVGVRLD SGDLLQQAQE IRKVFRAAAA QFQVPWLESV LIVVSNIDE EALARLAQEG SEVNVIGIGT SVVTCPPQPS LGGVYKLVAV GGQPRMKLTE DPEKQTLPGS KAAFRLGSD GSPLMDMLQL AEEPVPQAGQ ELRVWPPGAQ EPCTVRPAQV EPLLRLCLQQ GQLCEPLPSL AESRALAQLS LSRLSPEHRR LRSPAQYQVV LSERLQALVN SLCAGQSP Sequence without tag. The proposed Purification-Tag is based on experiences with the expression system, a different complexity of the protein could make another tag necessary. In case you have a special request, please contact us.</p>

Product Details

Specificity: If you are looking for a specific domain and are interested in a partial protein or a different isoform, please contact us regarding an individual offer.

Characteristics: **Key Benefits:**

- Made to order protein - from design to production - by highly experienced protein experts.
- Protein expressed in mammalian cells and purified in one-step affinity chromatography
- The optimized expression system ensures reliability for intracellular, secreted and transmembrane proteins.
- State-of-the-art algorithm used for plasmid design (Gene synthesis).

This protein is a made-to-order protein and will be made for the first time for your order. Our experts in the lab try to ensure that you receive soluble protein.

If you are not interested in a full length protein, please contact us for individual protein fragments.

The big advantage of ordering our made-to-order proteins in comparison to ordering custom made proteins from other companies is that there is no financial obligation in case the protein cannot be expressed or purified.

Purity: > 90 % as determined by Bis-Tris PAGE, anti-tag ELISA, Western Blot and analytical SEC (HPLC)

Grade: custom-made

Target Details

Target: NAPRT1 (NAPRT)

Alternative Name: NAPRT ([NAPRT Products](#))

Background: Nicotinate phosphoribosyltransferase (NAPRTase) (EC 6.3.4.21) (FHA-HIT-interacting protein) (Nicotinate phosphoribosyltransferase domain-containing protein 1),FUNCTION: Catalyzes the first step in the biosynthesis of NAD from nicotinic acid, the ATP-dependent synthesis of beta-nicotinate D-ribonucleotide from nicotinate and 5-phospho-D-ribose 1-phosphate (PubMed:17604275, PubMed:21742010, PubMed:26042198). Helps prevent cellular oxidative stress via its role in NAD biosynthesis (PubMed:17604275). {ECO:0000269|PubMed:17604275, ECO:0000269|PubMed:21742010, ECO:0000269|PubMed:26042198}.

Molecular Weight: 57.6 kDa

UniProt: [Q6XQN6](#)

Application Details

Application Notes: We expect the protein to work for functional studies. As the protein has not been tested for functional studies yet we cannot offer a guarantee though.

Restrictions: For Research Use only

Handling

Format: Liquid

Buffer: The buffer composition is at the discretion of the manufacturer.

Handling Advice: Avoid repeated freeze-thaw cycles.

Storage: -80 °C

Storage Comment: Store at -80°C.

Expiry Date: 12 months
