



[Go to Product page](#)

Datasheet for ABIN2745753  
**NAPRT1 Protein**

### Overview

Quantity:	50 µg
Target:	NAPRT1 (NAPRT)
Origin:	Bacillus subtilis
Source:	Escherichia coli (E. coli)
Protein Type:	Recombinant
Biological Activity:	Active
Application:	SDS-PAGE (SDS)

### Product Details

Characteristics:	Full-length NAPRTase (Bacillus subtilis).
Purity:	>98 % (SDS-PAGE)

### Target Details

Target:	NAPRT1 (NAPRT)
Alternative Name:	NAPRTase ( <a href="#">NAPRT Products</a> )
Background:	Nicotinate Phosphoribosyltransferase (NAPRTase) is involved in the biological processes of pyridine nucleotide biosynthesis and nicotinate nucleotide salvage and functions by catalyzing the conversion of nicotinic acid (NA) to NA mononucleotide (NaMN). It is a crucial factor in the NAD <sup>+</sup> biosynthesis pathway. Catalytic activity: Beta-nicotinate D-ribonucleotide + diphosphate = nicotinate + 5-phospho-alpha-D-ribose 1-diphosphate.
Molecular Weight:	~56.0kDa

## Target Details

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UniProt: [O32090](#)

## Application Details

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Application Notes: Optimal working dilution should be determined by the investigator.

Comment: ~0.8 U/mg protein. One unit is defined as the amount of enzyme that synthesizes 1  $\mu$ mol nicotinic acid mononucleotide (NaMN) per min.

Restrictions: For Research Use only

## Handling

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Format: Liquid

Concentration: Lot specific

Buffer: Liquid. in 20 mM TRIS-HCl, pH 7.8 containing 50 mM sodium chloride.

Storage: -20 °C, -80 °C

Storage Comment: Short Term Storage: -20°C  
Long Term Storage: -80°C  
Stable for at least 6 months after receipt when stored at -80°C.

Expiry Date: 6 months