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Datasheet for ABIN7318974 QPRT Protein (His tag)

Overview

Quantity:	50 µg
Target:	QPRT
Origin:	Human
Source:	Escherichia coli (E. coli)
Protein Type:	Recombinant
Purification tag / Conjugate:	This QPRT protein is labelled with His tag.

Product Details

Purpose:	Recombinant Human QPRT/QPRTase Protein (His Tag)
Sequence:	Met 1-His297
Characteristics:	Recombinant Human Quinolate Phosphoribosyltransferase [Decarboxylating] is produced by our E.coli expression system and the target gene encoding Met1-His297 is expressed with a 6His tag at the N-terminus.
Purity:	> 95 % as determined by reducing SDS-PAGE.
Endotoxin Level:	< 1.0 EU per µg as determined by the LAL method.

Target Details

Target:	QPRT
Alternative Name:	QPRT/QPRTase (QPRT Products)
Background:	Background: Nicotinate-Nucleotide Pyrophosphorylase (QPRT) belongs to the nadC/modD family. QPRT plays an important role in catabolism of quinolate which acts as a potent

Target Details

endogenous exitotoxin to neurons. In addition, QPRT serves as an intermediate in the Tryptophan-Nicotinamide Adenine Dinucleotide pathway. QPRT participates in some pathways including Cofactor biosynthesis, NAD(+) biosynthesis and the Nicotinate D-Ribonucleotide from Quinolate. In addition, QPRT is involved in the catabolism of Quinolinic Acid (QA). The activity toward QA is slightly repressed by phosphoribosylpyrophosphate (PRPP) in both a competitive and a non-competitive manner.

Synonym: Nicotinate-Nucleotide Pyrophosphorylase [Carboxylating], Quinolate Phosphoribosyltransferase [Decarboxylating], QAPRTase, QPRTase, QPRT

Molecular Weight:	33.0 kDa
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UniProt:	Q15274
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Application Details

Restrictions:	For Research Use only
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Handling

Format:	Frozen, Liquid
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Buffer:	Supplied as a 0.2 µm filtered solution of 20 mM TrisHCl, 150 mM NaCl, pH 8.0.
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Storage:	-20 °C
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Storage Comment:	Store at < -20°C, stable for 6 months. Please minimize freeze-thaw cycles.
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