

## 32-7235: Recombinant Human Quinolinate Phosphoribosyltransferase/QPRTase (N-6His)

 Gene :
 QPRT

 Gene ID :
 23475

 Uniprot ID :
 Q15274

## Description

Source: E.coli. MW :33kD.

Recombinant Human QAPRTase 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. Nicotinate-Nucleotide Pyrophosphorylase (QPRT) belongs to the nadC/modD family. QPRT plays an improtant role in catabolism of quinolinate which acts as a potent endogenous exitotoxin to neurons. In addition, QPRT serves as an 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 Quinolinate. 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.

## **Product Info**

Amount :	10 μg / 50 μg
Content :	Supplied as a 0.2 $\mu m$ filtered solution of 20mM TrisHCl, 150mM NaCl, pH 8.0 .
Storage condition :	Store at -20°C, stable for 6 months after receipt. Please minimize freeze-thaw cycles.
Amino Acid :	MGSSHHHHHHHSSGLVPRGSHMDAEGLALLLPPVTLAALVDSWLREDCPGLNYAALVSGAGPSQAALWAKSP GILAGQPFFDAIFTQLNCQVSWFLPEGSKLVPVARVAEVRGPAHCLLLGERVALNTLARCSGIASAAAAAVEAA RGAGWTGHVAGTRKTTPGFRLVEKYGLLVGGAASHRYDLGGLVMVKDNHVVAAGGVEKAVRAARQAADFAL KVEVECSSLQEAVQAAEAGADLVLLDNFKPEELHPTATVLKAQFPSVAVEASGGITLDNLPQFCGPHIDVISMG MLTQAAPALDFSLKLFAKEVAPVPKIH

## **Application Note**

**Endotoxin :** Less than 0.1 ng/Ã[µg (1 IEU/Ã[µg) as determined by LAL test.