

## Recombinant Human QPRT, T7 -tagged

**Cat. No.** QPRT-30231TH    **Lot. No.** (See product label)

### SPECIFICATION

<b>Product Overview</b>	Recombinant full length protein (Human) fused to T7-Tag (N-terminal).
<b>Species</b>	Human
<b>Source</b>	E.coli
<b>Description</b>	This gene encodes a key enzyme in catabolism of quinolinate, an intermediate in the tryptophan-nicotinamide adenine dinucleotide pathway. Quinolinate acts as a most potent endogenous exitotoxin to neurons. Elevation of quinolinate levels in the brain has been linked to the pathogenesis of neurodegenerative disorders such as epilepsy, Alzheimers disease, and Huntingtons disease.
<b>Conjugation</b>	T7
<b>Form</b>	Liquid
<b>Purity</b>	>95% by SDS-PAGE
<b>Storage buffer</b>	Preservative: 0.002% Sodium Azide Constituents: 0.1% Triton-X-100, 10mM Tris, 10mM DTT, pH 8.0
<b>Storage</b>	Aliquot and store at -80°C. Avoid repeated freeze / thaw cycles.
<b>Sequence Similarities</b>	Belongs to the nadC/modD family.

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**Full Length**

Full L.

## GENE INFORMATION

**Gene Name**

QPRT quinolinate phosphoribosyltransferase [ Homo sapiens ]

**Official Symbol**

QPRT

**Synonyms**

QPRT; quinolinate phosphoribosyltransferase; nicotinate-nucleotide pyrophosphorylase [carboxylating]; nicotinate nucleotide pyrophosphorylase (carboxylating); QPRTase;

**Gene ID**

23475

**mRNA Refseq**

NM\_014298

**Protein Refseq**

NP\_055113

**MIM**

606248

**Uniprot ID**

Q15274

**Chromosome  
Location**

16p11.2

**Pathway**

Metabolic pathways, organism-specific biosystem; Metabolism, organism-specific biosystem; Metabolism of vitamins and cofactors, organism-specific biosystem; Metabolism of water-soluble vitamins and cofactors, organism-specific biosystem; Nicotinate and nicotinamide metabolism, organism-specific biosystem;

**Function**

nicotinate-nucleotide diphosphorylase (carboxylating) activity; protein

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homodimerization activity;

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