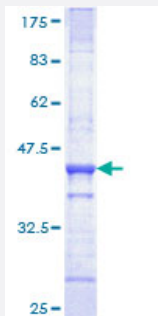


# QPRT (Human) Recombinant Protein (Q01)

Catalog # H00023475-Q01

Size 25 ug, 10 ug

## Applications



## Specification

<b>Product Description</b>	Human QPRT partial ORF ( NP_055113, 198 a.a. - 297 a.a.) recombinant protein with GST-tag at N-terminal.
<b>Sequence</b>	VEVECSSLQEAVQAAEAGADLVLLDNFKPEELHPTATVLKAQFPSVAVEASGGITLDNLPQFCG PHIDVISMGMLTQAAPALDFSLKLFAKEVAPVPKIH
<b>Host</b>	Wheat Germ (in vitro)
<b>Theoretical MW (kDa)</b>	36.74
<b>Interspecies Antigen Sequence</b>	Mouse (84); Rat (82)
<b>Preparation Method</b>	<a href="#">in vitro wheat germ expression system</a>
<b>Purification</b>	Glutathione Sepharose 4 Fast Flow
<b>Quality Control Testing</b>	12.5% SDS-PAGE Stained with Coomassie Blue.
<b>Storage Buffer</b>	50 mM Tris-HCl, 10 mM reduced Glutathione, pH=8.0 in the elution buffer.
<b>Storage Instruction</b>	Store at -80°C. Aliquot to avoid repeated freezing and thawing.
<b>Note</b>	Best use within three months from the date of receipt of this protein.

## Applications

- Enzyme-linked Immunoabsorbent Assay
- Western Blot (Recombinant protein)
- Antibody Production
- Protein Array

## Gene Info — QPRT

Entrez GeneID [23475](#)

GeneBank Accession# [NM\\_014298](#)

Protein Accession# [NP\\_055113](#)

Gene Name QPRT

Gene Alias QPRTase

Gene Description quinolate phosphoribosyltransferase

Omim ID [606248](#)

Gene Ontology [Hyperlink](#)

**Gene Summary** This gene encodes a key enzyme in catabolism of quinolate, an intermediate in the tryptophan-nicotinamide adenine dinucleotide pathway. Quinolate acts as a most potent endogenous excitotoxin to neurons. Elevation of quinolate levels in the brain has been linked to the pathogenesis of neurodegenerative disorders such as epilepsy, Alzheimer's disease, and Huntington's disease. [provided by RefSeq]

**Other Designations** nicotinate-nucleotide pyrophosphorylase (carboxylating)

## Pathway

- [Biosynthesis of alkaloids derived from ornithine](#)
- [Metabolic pathways](#)
- [Nicotinate and nicotinamide metabolism](#)