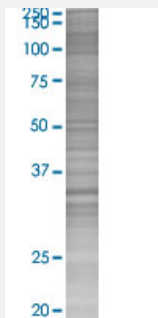


# QPRT 293T Cell Transient Overexpression Lysate(Denatured)

Catalog # H00023475-T02

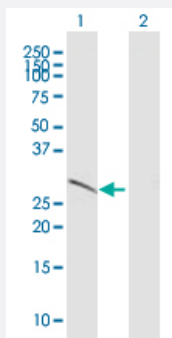
Size 100 uL

## Applications



### SDS-PAGE Gel

QPRT transfected lysate.



### Western Blot

Lane 1: QPRT transfected lysate ( 30.80 KDa)

Lane 2: Non-transfected lysate.

## Specification

Transfected Cell Line	293T
Plasmid	pCMV-QPRT full-length
Host	Human
Theoretical MW (kDa)	30.8
Interspecies Antigen Sequence	Mouse (84); Rat (82)

## Quality Control Testing

Transient overexpression cell lysate was tested with Anti-QPRT antibody ([H00023475-B04](#)) by Western Blots.  
SDS-PAGE Gel  
QPRT transfected lysate.  
Western Blot  
Lane 1: QPRT transfected lysate ( 30.80 KDa)  
Lane 2: Non-transfected lysate.

## Storage Buffer

1X Sample Buffer (50 mM Tris-HCl, 2% SDS, 10% glycerol, 300 mM 2-mercaptoethanol, 0.01% Bromophenol blue)

## Storage Instruction

Store at -80°C. Aliquot to avoid repeated freezing and thawing.

## Applications

- Western Blot

## Gene Info — QPRT

## Entrez GeneID

[23475](#)

## GeneBank Accession#

[NM\\_014298.3](#)

## Protein Accession#

[NP\\_055113.2](#)

## Gene Name

QPRT

## Gene Alias

QPRTase

## Gene Description

quinolinate phosphoribosyltransferase

## Omim ID

[606248](#)

## Gene Ontology

[Hyperlink](#)

## Gene Summary

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 excitotoxin to neurons. Elevation of quinolinate 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](#)