Recombinant Human QPRT, T7-tagged

Cat. No. QPRT-2954H **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant Human QPRT was produced in*E.coli*with a T7 tag at N-terminus. MW = 30816 Da (1-297 aa).
Species	Human
Source	E.coli
ProteinLength	1-297 a.a.
Description	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, Alzheimer"s disease, and Huntington"s disease.
Form	10 mM Tris. pH 8.0. 0.1% Triton X-100. 0.002% NaN3. 10mM DTT.
Purity	95%.
Applications	MS. SDS.

GENE INFORMATION

Gene Name	QPRT quinolinate phosphoribosyltransferase [Homo sapiens]

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Synonyms	QPRT; quinolinate phosphoribosyltransferase; QPRTase; nicotinate-nucleotide pyrophosphorylase [carboxylating]; QAPRTase; nicotinate-nucleotide pyrophosphorylase (carboxylating); EC 2.4.2.19; nicotinate-nucleotide pyrophosphorylase
Gene ID	23475
mRNA Refseq	NM_014298
Protein Refseq	NP_055113
MIM	606248
UniProt ID	Q15274
Chromosome Location	16p11.2
Pathway	Metabolic pathways; Nicotinate and nicotinamide metabolism
Function	nicotinate-nucleotide diphosphorylase (carboxylating) activity; protein homodimerization activity; transferase activity, transferring glycosyl groups

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