Recombinant Human QPRT, T7 -tagged

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

SPECIFICATION

Product Overview	Recombinant full length protein (Human) fused to T7-Tag (N-terminal).
Species	Human
Source	E.coli
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, Alzheimers disease, and Huntingtons disease.
Conjugation	T7
Form	Liquid
Purity	>95% by SDS-PAGE
Storage buffer	Preservative: 0.002% Sodium AzideConstituents: 0.1% Triton-X-100, 10mM Tris, 10mM DTT, pH 8.0
Storage	Aliquot and store at -80°C. Avoid repeated freeze / thaw cycles.
Sequence Similarities	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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