

Recombinant Human QPRT Protein, Myc/DDK-tagged, C13 and N15-labeled

Cat. No. QPRT-6694H **Lot. No.** (See product label)

SPECIFICATION

Product Overview	QPRT MS Standard C13 and N15-labeled recombinant protein (NP_055113) with a C-terminal MYC/DDK tag, was expressed in HEK293 cells.
Species	Human
Source	HEK293
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 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. Alternative splicing results in multiple transcript variants.
Molecular Mass	30.8 kDa
AA Sequence	MDAEG LALLLPPVTLAALVDSWLREDCPGLNYAALVSGAGPSQAALWAKSPGILAG QPFDAIFTQLNCQVSWFLPEGSKLV PVARVAEVRGPAHCLLLGERVALNTLARCS GIA SAAAAAVEAARGAGWTGHVAGTRKTT PGFRLVEKYGLLVGGAASHRYDLGGLV MVKDNHVVAAGGVEKAVRAARQAADFALKVEVECSSLQEAVQAAEAGADLVLLDN FKPEELHPTATVLKAQFPSVAVEASGGITLDNLPQFCGPHIDVISMGMLTQAAPALDF SLKLFAKEVAPVPKIHTRTRPLEQKLISEEDLAANDILDYKDDDDKV
Purity	> 80% as determined by SDS-PAGE and Coomassie blue staining

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Stability	Stable for 3 months from receipt of products under proper storage and handling conditions.
Storage	Store at -80 centigrade. Avoid repeated freeze-thaw cycles.
Concentration	50 µg/mL as determined by BCA
Storage Buffer	100 mM glycine, 25 mM Tris-HCl, pH 7.3.

GENE INFORMATION

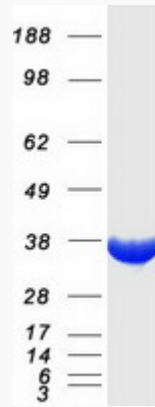
Gene Name	QPRT quinolinate phosphoribosyltransferase [Homo sapiens (human)]
Official Symbol	QPRT
Synonyms	QPRT; quinolinate phosphoribosyltransferase; nicotinate-nucleotide pyrophosphorylase [carboxylating]; nicotinate nucleotide pyrophosphorylase (carboxylating); QPRTase; QAPRTase; nicotinate-nucleotide pyrophosphorylase (carboxylating);
Gene ID	23475
mRNA Refseq	NM_014298
Protein Refseq	NP_055113
MIM	606248
UniProt ID	Q15274

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SDS-PAGE



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