

Recombinant Human QPRT protein, His-tagged

Cat. No. QPRT-5778H **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant Human QPRT protein(1-297 aa), fused with N-terminal His tag, was expressed in E.coli.
Species	Human
Source	E.coli
ProteinLength	1-297 aa
Form	The purified protein was lyophilized from sterile phosphate-buffered saline (PBS: 58 mM Na ₂ HPO ₄ , 17 mM NaH ₂ PO ₄ , 68 mM NaCl, pH 7.4). Prior to lyophilization, 5% (w/v) trehalose and 5% (w/v) mannitol were incorporated as cryoprotective excipients. The protein was eluted with a buffer containing 300 mM imidazole.
AASequence	MDAEG LALLLPPVT LAALVDSWLREDCPGLNYAALVSGAGPSQAALWAKSPGVLAG QPFFDAIFTQLNCQVSWFLPEGSKLVPVARVAEVRGPAHCLLLGERVALNTLARCS GIA SAAAAAVEAARGAGWTGHVAGTRKTPGFRLVEKYGLLVGGAASHRYDLGGLV MVKDNHVVAAGGVEKAVRAARQAADFALKVEVECSSLQEAVQAAEAGADLVLLDN FKPEELHPTATVLKAQFPSVAVEASGGITLDNLPQFCGPHIDVISMGMLTQAAPALDF SLKLFAKEVAPVPKIH
Purity	85%, by SDS-PAGE with Coomassie Brilliant Blue staining.
Storage	Store at 2-8°C for 1-2 weeks. Aliquot and store at -20°C to -80°C for up to 12 months, reconstitution with sterile water and addition of an equal volume of glycerol. Avoid

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repeat freeze-thaw cycles.

Reconstitution

Dissolve the product in 200 µl sterile water to achieve a working concentration of 0.25 g/µl. If experimental compatibility allows, mix the aqueous solution with an equal volume of glycerol (1:1 ratio) after initial reconstitution.

GENE INFORMATION

Gene Name

QPRT quinolate phosphoribosyltransferase [Homo sapiens]

Official Symbol

QPRT

Synonyms

QPRT; quinolate 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

SDS-PAGE

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