

## Quinolate Phosphoribosyltransferase Recombinant Protein | QPRT recombinant protein

Recombinant Human Quinolate Phosphoribosyltransferase

CATALOG #  
**AAA38836**

HOST  
**E. coli**

### PRODUCT SYNONYMS

Quinolate Phosphoribosyltransferase; Recombinant Human Quinolate Phosphoribosyltransferase; QPRT Human; Quinolate Phosphoribosyltransferase Human Recombinant; Quinolate phosphoribosyltransferase; QPRTase; QAPRTase; QPRT recombinant protein

### PRODUCT SPECIFICATIONS

|                         |                                                                                                                                                                                                                                                                                                                                                                                                            |
|-------------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Host                    | E. coli                                                                                                                                                                                                                                                                                                                                                                                                    |
| Purity/Purification     | Greater than 95.0% as determined by SDS-PAGE.                                                                                                                                                                                                                                                                                                                                                              |
| Form/Format             | The QPRT solution (1mg/ml) contains 20mM Tris-HCl buffer (pH 8.0), 1mM DTT and 10% glycerol.                                                                                                                                                                                                                                                                                                               |
| Sequence                | <u>MGSSHHH HHHSSGLVPR GSHMDA EGLALLPPV TLAALVDSWL REDCPGLNYA ALVSGAGPSQ</u><br><u>AALWAKSPGV LAGQPFFDAI FTQLNCQVSW FLPEGSKLVP VARVAEVRGP AHCLLLGERV ALNTLARCSG</u><br><u>IASAAAAAVE AARGAGWTGH VAGTRKTTPG FRLVEKYGLL VGGAASHRYD LGGLVMVKDN HVVAAGGVEK</u><br><u>AVRAARQAAD FALKVEVECS SLQEAVQAAE AGADLVLLDN FKPEELHPTA TVLKAQFPSV AVEASGGITL</u><br><u>DNLPQFCGPH IDVISMGMLT QAAPALDFSL KLFKEVAPV PKIH</u> |
| Physical Appearance     | Sterile Filtered colorless solution.                                                                                                                                                                                                                                                                                                                                                                       |
| Preparation and Storage | Store at 4°C if entire vial will be used within 2-4 weeks.<br>Store, frozen at -20°C for longer periods of time.<br>For long term storage it is recommended to add a carrier protein (0.1% HSA or BSA).<br>Avoid multiple freeze-thaw cycles.                                                                                                                                                              |

### ADDITIONAL INFORMATION

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|----------------------------------------------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Related Product Information for QPRT recombinant protein | QPRT Human Recombinant produced in E.Coli is a single, non-glycosylated, polypeptide chain containing 317 amino acids (1-297 a.a.) and having a molecular mass of 32.9 kDa. The QPRT is fused to a 20 amino acid His-Tag at N-terminus and purified by proprietary chromatographic techniques. |
| Product Categories/Family for QPRT recombinant protein   | <a href="#">Enzymes</a> ; <a href="#">Transferase</a>                                                                                                                                                                                                                                          |

### NCBI AND UNIPROT INFORMATION

|                                  |                                                                                                   |
|----------------------------------|---------------------------------------------------------------------------------------------------|
| NCBI GI #                        | <a href="#">45269149</a>                                                                          |
| NCBI GeneID                      | <a href="#">23475</a>                                                                             |
| NCBI Accession #                 | <a href="#">NP_055113.2</a>                                                                       |
| NCBI GenBank Nucleotide #        | <a href="#">NM_014298.3</a>                                                                       |
| UniProt Accession #              | <a href="#">Q15274</a> ; <a href="#">Q53XW7</a> ; <a href="#">Q96G22</a> ; <a href="#">Q9BSG6</a> |
| NCBI Official Full Name          | nicotinate-nucleotide pyrophosphorylase                                                           |
| NCBI Official Synonym Full Names | quinolate phosphoribosyltransferase                                                               |
| NCBI Official Symbol             | QPRT                                                                                              |

|                                      |                                                                                                                                                                                                                                        |
|--------------------------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>NCBI Official Synonym Symbols</b> | QPRTase; HEL-S-90n                                                                                                                                                                                                                     |
| <b>NCBI Protein Information</b>      | nicotinate-nucleotide pyrophosphorylase [carboxylating]; nicotinate-nucleotide pyrophosphorylase [carboxylating]; QAPRTase; epididymis secretory sperm binding protein Li 90n; nicotinate-nucleotide pyrophosphorylase (carboxylating) |
| <b>UniProt Protein Name</b>          | Nicotinate-nucleotide pyrophosphorylase [carboxylating]                                                                                                                                                                                |
| <b>UniProt Gene Name</b>             | <b>QPRT</b>                                                                                                                                                                                                                            |
| <b>UniProt Synonym Gene Names</b>    | QAPRTase; QPRTase                                                                                                                                                                                                                      |
| <b>UniProt Entry Name</b>            | NADC_HUMAN                                                                                                                                                                                                                             |

**For Research Use Only.** Not for use in diagnostic or therapeutic procedures. Small volumes of product may become entrapped in the seal of the vial during shipment and storage; if necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the cap.

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Online datasheet: <https://stage.aaabiotech.com/qprt-recombinant-protein-e-coli/38836>