



# Recombinant Human Nicotinate-nucleotide pyrophosphorylase [carboxylating] (QPRT)

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|--------------------------|---|
| <b>Product Code</b>      | CSB-YP621868HU  |
| <b>Abbreviation</b>      | QPRT  |
| <b>Storage</b>           | The shelf life is related to many factors, storage state, buffer ingredients, storage temperature and the stability of the protein itself. Generally, the shelf life of liquid form is 6 months at -20°C/-80°C. The shelf life of lyophilized form is 12 months at -20°C/-80°C.   |
| <b>Uniprot No.</b>       | Q15274  |
| <b>Product Type</b>      | Recombinant Protein   |
| <b>Immunogen Species</b> | Homo sapiens (Human)  |
| <b>Purity</b>            | >85% (SDS-PAGE)   |
| <b>Sequence</b>          | MDA EGLALLL PPVTLAALVD SWLREDCPGL NYAALVSGAG PSQAALWAKS PGVLAGQPFF DAIFTQLNCQ VSWFLPEGSK LVPVARVAEV RGP AHCLLLG ERVALNTLAR CSGIASAAAA AVEAARGAGW TGHVAGTRKT TPGFRLVEKY GLLVGG AASH RYDLGGLVMV KDNHVVAAGG VEKAVRAARQ AADFTLKVEV ECSSLQEAVQ AAEAGADLVL LDNFKPEELH PTATVLKAQF PSVAVEASGG ITLDNLPQFC GPHIDVISMG MLTQAAPALD FSLKLF AKEV APVPKIH  |
| <b>Source</b>            | Yeast   |
| <b>Target Names</b>      | QPRT  |
| <b>Protein Names</b>     | Recommended name: Nicotinate-nucleotide pyrophosphorylase [carboxylating] EC= 2.4.2.19 Alternative name(s): Quinolate phosphoribosyltransferase [decarboxylating] Short name= QAPRTase Short name= QPRTase  |
| <b>Expression Region</b> | 1-297   |
| <b>Notes</b>             | Repeated freezing and thawing is not recommended. Store working aliquots at 4°C for up to one week.   |
| <b>Tag Info</b>          | Tag type will be determined during the manufacturing process.   |
| <b>Protein Length</b>    | full length protein   |
| <b>Target Details</b>    | This gene encodes a key enzyme in catabolism of quinolate, an intermediate in the tryptophan-nicotinamide adenine dinucleotide pathway. Quinolate acts as a most potent endogenous exitotoxin to neurons. Elevation of quinolate levels in the brain has been linked to the pathogenesis of neurodegenerative disorders such as epilepsy, Alzheimer s disease, and Huntington s disease.                    |
| <b>Reconstitution</b>    | We recommend that this vial be briefly centrifuged prior to opening to bring the contents to the bottom. Please reconstitute protein in deionized sterile water to a concentration of 0.1-1.0 mg/mL. We recommend to add 5-50% of glycerol (final concentration) and aliquot for long-term storage at -20°C/-80°C. Our default final concentration of glycerol is 50%. Customers could use it as reference. |



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