

QPRT recombinant protein

QPRT, 1-297aa, Human, His tag, E Coli

CATALOG # AAA48622	HOST E Coli	APPLICATIONS SDS-Page
------------------------------	-----------------------	---------------------------------

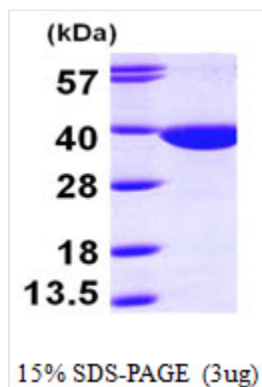
PRODUCT SYNONYMS

QPRT; 1-297aa; Human; His tag; E Coli; Nicotinate nucleotide pyrophosphorylase (carboxylating); Nicotinate nucleotide pyrophosphorylase carboxylating; Quinolate phosphoribosyltransferase; QPRTase; QAPRTase; QPRT recombinant protein

PRODUCT SPECIFICATIONS

Host	E Coli
Purity/Purification	> 95% by SDS-PAGE
Form/Format	Liquid. In 20mM Tris-HCl Buffer (pH 8.0) containing 1mM DTT, 10% glycerol
Concentration	1mg/ml (determined by Bradford assay) (varies by lot)
Sequence	MGSSHHHHH SSGLVPRGSH MDAEGLALL PPVTLAALVD SWLREDCPGL NYAALVSGAG PSQAALWAKS PGVLAGQPFF DAIFTQLNCQ VSWFLPEGSK LVPVARVAEV RGPACHLLG ERVALNTLAR CSGIASAAAA AVEAARGAGW TGHVAGTRKT TPGFRLVEKY GLLVGGAASH RYDLGGLVMV KDNHVVAAGG VEKAVRAARQ AADFALKVEV ECSSLQEAVQ AAEAGADLVL LDNFKPEELH PTATVLKAQF PSVAVEASGG ITLDNLPQFC GPHIDVISMG MLTQAAPALD FSLKLFAKEV APVPKIH
Sequence Length	297
Applicable Applications for QPRT recombinant protein	SDS-PAGE
Antigen Species	Human
Tag Information	His-tag
Preparation and Storage	Can be stored at 4 degree C short term (1-2 weeks). For long term storage, aliquot and store at -20 degree C or -70 degree C. Avoid repeated freezing and thawing cycles.

IMAGES



SDS-PAGE

ADDITIONAL INFORMATION

Related Product Information for QPRT recombinant protein	Quinolate phosphoribosyltransferase, also known as QPRT, is a major enzyme in the catabolism of quinolate. It is an intermediate in the tryptophannicotinamide adenine dinucleotide (NAD) pathway, leading to the production of nicotinic acid, carbon dioxide and pyrophosphate. Elevation of QPRT levels in the brain has been linked to the pathogenesis of neurodegenerative disorders such as epilepsy, Alzheimer's disease, and Huntington's disease. Recombinant human QPRT protein, fused to His-tag at N-terminus, was expressed in E Coli and purified by using conventional chromatography techniques.
Product Categories/Family for QPRT recombinant protein	Neuroscience
References	Delaney J., et al. (2005) Arch Toxicol. 79 (2):208-223.; Eads J C., et al. (1997) Structure. 5:47-58.;

NCBI AND UNIPROT INFORMATION

NCBI GI #	45269149
NCBI GeneID	23475
NCBI Accession #	NP_055113
NCBI GenBank Nucleotide #	NM_014298.4
UniProt Accession #	Q15274; Q53XW7; Q96G22; Q9BSG6
Molecular Weight	32.9 kDa (317aa), confirmed by MALDI-TOF
NCBI Official Full Name	nicotinate-nucleotide pyrophosphorylase
NCBI Official Synonym Full Names	quinolate phosphoribosyltransferase
NCBI Official Symbol	QPRT
NCBI Official Synonym Symbols	QPRTase; HEL-S-90n
NCBI Protein Information	nicotinate-nucleotide pyrophosphorylase [carboxylating]
UniProt Protein Name	Nicotinate-nucleotide pyrophosphorylase [carboxylating]
UniProt Gene Name	QPRT
UniProt Synonym Gene Names	QAPRTase; QPRTase

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.