

32-2778: QPRT Recombinant Protein

Alternative Name : Quinolinate phosphoribosyltransferase ,QPRTase,QAPRTase.

Description

Source : Escherichia Coli. 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. QPRT is a key enzyme in the catabolism of quinolinate. QPRT is in between the tryptophannicotinamide adenine dinucleotide (NAD) pathway, resulting in the production of nicotinic acid, carbon dioxide and pyrophosphate. Rise of QPRT levels in the brain is related to the pathogenesis of neurodegenerative disorders such as epilepsy, Alzheimer's disease, and Huntington's disease.

Product Info

Amount :	20 µg
Purification :	Greater than 95.0% as determined by SDS-PAGE.
Content :	The QPRT solution (1mg/ml) contains 20mM Tris-HCl buffer (pH 8.0), 1mM DTT and 10% glycerol.
Storage condition :	Store at 4°C if entire vial will be used within 2-4 weeks.Store, frozen at -20°C for longer periods of time. For long term storage it is recommended to add a carrier protein (0.1% HSA or BSA).Avoid multiple freeze-thaw cycles.
Amino Acid :	MGSSHHHHHH SSGLVPRGSH MDAEGLALLL PPVTLAALVD SWLREDCPGL NYAALVSGAG PSQAALWAKS PGVLAGQPF DAIFTQLNCQ VSWFLPEGSK LVPVARVAEV RGAHCLLLG ERVALNTLAR CSGIASAAAA AVEAARGAGW TGHVAGTRKT TPGFRLVEKY GLLVGGAASH RYDLGGLVMV KDNHVVAAGG VEKAVRAARQ AADFALKVEV ECSSLQEAVQ AAEAGADLVL LDNFKPEELH PTATVLKAQF PSVAVEASGG ITLDNLPQFC GPHIDVISMG MLTQAAPALD FSLKLFAKEV APVPKIH.