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32-3105: PRPS1 Recombinant Protein

Alternative Name : ARTS,CMTX5,PPRibP,PRSI,DFN2,Ribose-phosphate pyrophosphokinase 1,DFNX1,Phosphoribosyl pyrophosphate synthase I,PRS-I,PRPS1,KIAA0967.

Description

Source : Escherichia Coli. PRPS1 Human Recombinant produced in E.Coli is a single, non-glycosylated polypeptide chain containing 338 amino acids (1-318 a.a.) and having a molecular weight of 36.9kDa.The PRPS1 is fused to 20 a.a His-Tag at N-terminus and purified by proprietary chromatographic techniques. PRPS1 catalyzes the synthesis of phosphoribosylpyrophosphate (PRPP) that is essential for nucleotide synthesis. PRPS1 catalyzes the phosphoribosylation of ribose 5-phosphate to 5-phosphoribosyl-1-pyrophosphate, which is essential for purine metabolism and nucleotide biosynthesis. Defects in PRPS1 result in phosphoribosylpyrophosphate synthetase superactivity, Charcot-Marie-Tooth disease X-linked recessive type 5 and Arts Syndrome.

Product Info

Amount :	25 µg
Purification :	Greater than 90.0% as determined by SDS-PAGE.
Content :	The PRPS1 protein solution contains 20mM Tris-HCl, pH-8, 100mM NaCl, 1mM DTT and 20% 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 MPNIKIFSGS SHQDLSQKIA DRLGLELGKV VTKKFSNQET CVEIGESVRG EDVYIVQSGC GEINDNLMEL LIMINACKIA SASRVTAVIP CFPYARQDKK DKSRAPISAK LVANMLSVAG ADHIITMDLH ASQIQGFFDI PVDNLYAEPA VLKWIRENIS EWRNCTIVSP DAGGAKRVTS IADRLNVDFA LIHKERKKAN EVDRMVLVGD VKDRVAILVD DMADTCGTIC HAADKLLSAG ATRVYAILTH GIFSGPAISR INNACFEAVV VTNTIPQEDK MKHCSKIQVI DISMILAEAI RRTHNGESVS YLFSHVPL.

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