

Phosphoribosyl Pyrophosphate Synthetase 1 Human Recombinant

Item Number	rAP-1884
Synonyms	ARTS, CMTX5, PPRibP, PRS1, DFN2, Ribose-phosphate pyrophosphokinase 1, DFNX1, Phosphoribosyl pyrophosphate synthase I, PRS-I, PRPS1, KIAA0967.
Description	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.
Uniprot Accesion Number	P60891
Amino Acid Sequence	MGSSHHHHHH SSGLVPRGSH MPNIKIFSGS SHQDLSQKIA DRLGLELGKV VTKKFSNQET CVEIG- ESVRG EDVYIVQSGC GEINDNLMEL LIMINACKIA SASRVTAVIP CFPYARQDKK DKSRAPISAK LVANMLSVAG ADHIITMDLH ASQIQGFDDI PVDNLYAEPV VLKWIRENIS EWRNCTIVSP DAGGAKRVTS IADRLNVDFV LIHKERKKAN EVDRMVLVGD VKDRVAILVD DMADTCGTIC HAADKLLSAG ATRVYAILTH GIFSGPAISR INNACFEAVV VTNTIPQEDK MKHCSKIQVI DISMILAEAI RRTHNGESVS YLFSHVPL.
Source	Escherichia Coli.
Physical Appearance and Stability	Sterile filtered colorless solution. 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.
Formulation and Purity	The PRPS1 protein solution contains 20mM Tris-HCl, pH-8, 100mM NaCl, 1mM DTT and 20% glycerol. Greater than 90.0% as determined by SDS-PAGE.
Application	
Solubility	
Biological Activity	
Shipping Format and Condition	Lyophilized powder at room temperature.

Optimal dilutions should be determined by each laboratory for each application. The listed dilutions are for recommendation only and the final conditions should be optimized by the ender users! This product is sold for **Research Use Only**