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PNP Human

Catalog #:ENPS-032

For research use only.

Description:PNP Human Recombinant fused with a 20 amino acid His tag at N-terminus produced in E.Coli is a single, non-glycosylated, polypeptide chain containing 309 amino acids (1-289 a.a.) and having a molecular mass of 34.2kDa. The PNP is purified by proprietary chromatographic techniques.

Synonyms: Purine nucleoside phosphorylase, Inosine phosphorylase, NP, PUNP, PRO1837, FLJ94043, FLJ97288, FLJ97312, MGC117396, MGC125915, MGC125916, PNP.

Source: Escherichia Coli.

Physical Appearance: Sterile Filtered colorless solution.

Amino Acid Sequence:MGSSHHHHHH SSGLVPRGSH MENGYTYEDY KNTAEWLLSH TKHRPQVAII CGSGLGGLTD KLTQAQIFDY GEIPNFPRST VPGHAGRLVF GFLNGRACVM MQGRFHMYEG YPLWKVTFPV RVFHLLGVDT LVVTNAAGGL NPKFEVGDIM LIRDHINLPG FSGQNPLRGP NDERFGDRFP AMSDAYDRTM RQRALSTWKQ MGEQRELQEG TYVMVAGPSF ETVAECRVLQ KL

Purity: Greater than 90.0% as determined by SDS-PAGE.

Formulation:
The PNP solution (1 mg/ml) contains 20mM Tris-HCl buffer (pH8.0), 0.1M NaCl, 2mM DTT and 10% glycerol.

Stability:
PNP should be stored desiccated below -18°C. For long term storage it is recommended to add a carrier protein (0.1% HSA or BSA). Please prevent freeze-thaw cycles.

Usage:
NeoBiolab's products are furnished for LABORATORY RESEARCH USE ONLY. The product may not be used as drμgs, agricultural or pesticidal products, food additives or household chemicals.

Introduction:
PNP is a member of the PNP/MTAP phosphorylase family of proteins. PNP catalyzes the reversible phosphorolysis of ribonucleosides and 2-deoxyribonucleosides with specificity for guanine, hypoxanthine and their analogs. PNP deficiency is a rare autosomal recessive genetic disease linked to a severe defect in T-lymphocyte function and neurologic disorder in children, comprising four percent of combined immunodeficiency cases.

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