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RBKS Human

Catalog #:PKPS-365

For research use only.

Description:RBKS 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 342 amino acids (1-322 a.a.) and having a molecular mass of 36.3kDa. The RBKS is purified by proprietary chromatographic techniques.

Synonyms: Ribokinase, RBKS, RBSK, DKFZp686G13268.

Source: Escherichia Coli.

Physical Appearance: Sterile Filtered colorless solution.

Amino Acid Sequence:MGSSHHHHHH SSGLVPRGSH MAASGEPQRQ WQEEVAAVVV VGSCMTDLVS LTSRLPKTGE TIHGHKFFIG FGGKGANQCV QAARLGAMTS MVCKVGKDSF GNDYIENLKQ NDISTEFTYQ TKDAATGTAS IIVNNEGQNI IVIVAGANLL LNTEDLRAAA NVISRAKVMV CQLEITPATS LEALTMARRS GVKTLFNPAP AIADLDPQFY TLSDVFCCNE SEAEILTGLT VG

Purity: Greater than 95.0% as determined by SDS-PAGE.

Formulation:
The RBKS solution (1 mg/ml) contains 20mM Tris-HCl buffer (pH 8.0) and 10% glycerol.

Stability:
RBKS 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:
Ribokinase (RBKS) is a member of the pfkB family of carbohydrate kinases. Ribokinase phosphorylates ribose to form ribose-5-phosphate in the presence of ATP and magnesium as a first step in ribose metabolism.

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