
Product Data Sheet

Product Name: RPAIN Human
 Cat. No.: GP24407
 Batch No.: 1

Product Data

Purity	>98%	Source	Escherichia Coli.
Physical Appearance	solid	Shipping Condition	Shipped with Ice Packs.
Synonyms	HRIP; RIP; RPA-interacting protein; hRIP; RPAIN.		
Amino Acid Sequence	MGSSHHHHHH SGLVPRGSH MGSMAESLRS PRRSLYKLVG SPPWKEAFRQ RCLERMNRNSR DRLLNRYRQA GSSGPGNSQN SFLVQEVME EWNALQSVEN CPEDLAQLEE LIDMAVLEEI QQELINQGL.		
Formulation	RPAIN protein solution (0.25mg/ml) contains 20mM Tris-HCl buffer (pH 8.0), 0.2M NaCl, 40% glycerol and 2mM DTT.		

Introduction

RPA-interacting protein isoform d (RPAIN) is a single-stranded-DNA binding protein which participates in various eukaryotic DNA processes such as replication, repair and recombination. RPAIN interacting protein has been indicated as an adapter protein that is involved in RPA nuclear import instead of the prototypical importin proteins that normally mediate nuclear import. RPAIN is mainly expressed in pancreas, kidney, muscle, liver, lung, placenta, brain, heart, leukocytes, colon, intestine, ovary, testis, prostate, thymus and spleen.

Stability

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.

Background

RPAIN Human Recombinant produced in E.Coli is a single, non-glycosylated polypeptide chain containing 129 amino acids (1-106 a.a.) and having a molecular mass of 14.7kDa. RPAIN is fused to a 23 amino acid His-tag at N-terminus & purified by proprietary chromatographic techniques.

Caution: Product has not been fully validated for medical applications. For research use only.

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