

**RPAIN, 1-106aa, Human, His tag, E.coli**

**Cat.NO.: TP03764**

---

3th Edition

**Synonyms:**RPA-interacting protein isoform d, HRIP, RIP

**Description:**RPA-interacting protein isoform d, also known as RPAIN, is a single-stranded-DNA binding protein involved in numerous eukaryotic DNA processes including replication, repair and recombination. RPAIN interacting protein has been identified as an adapter protein that is involved in RPA nuclear import instead of the prototypical importin proteins that normally mediate nuclear import. Recombinant human RPAIN protein, fused to His-tag at N-terminus, was expressed in E.coli and purified by using conventional chromatography techniques.

**Form:**Liquid. In 20mM Tris-HCl buffer (pH 8.0) containing 0.2M NaCl, 40% glycerol, 2mM DTT

**Molecular Weight:**14.7 kDa (129aa) confirmed by MALDI-TOF (Molecular size on SDS-PAGE will appear higher)

**Sequences:**

MGSSHHHHHSSGLVPRGSHMGSMASLRSPRRSLYKLVGSPPWKEAFRQRCLERMNRSRDLLNRYRQAGSS  
GPGNSQNSFLVQEVMEEEWNALQSVENCPELAQLEELIDMAVLEEIQQELINQGL

**Purity:**> 95% by HPLC

**Concentration:**0.25mg/ml (determined by Bradford assay)

**Endotoxin Level:**<1.0 EU per 1 ug of protein (determined by LAL method)

**Storage:**Can be stored at +4°C short term (1-2 weeks). For long term storage, aliquot and store at -20°C or -70°C. Avoid repeated freezing and thawing cycles.