

Recombinant Human RPIA protein, His-tagged

Cat. No. RPIA-2373H **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant Human RPIA protein(1-311 aa), fused with N-terminal His tag, was expressed in E.coli.
Species	Human
Source	E.coli
ProteinLength	1-311 aa
Form	The purified protein was lyophilized from sterile phosphate-buffered saline (PBS: 58 mM Na ₂ HPO ₄ , 17 mM NaH ₂ PO ₄ , 68 mM NaCl, pH 7.4). Prior to lyophilization, 5% (w/v) trehalose and 5% (w/v) mannitol were incorporated as cryoprotective excipients.
AASequence	MQRPGPFSTLYGRVLAPLPGRAGGAASGGGGNSWDLPGSHVRLPGRAQSGTRGG AGNTSTSCGDSNSICPAPSTMSKAEAEAKLAGRAAVENHVRNNQVLGIGSGSTIVHA VQRIAERVKQENLNLVCIPTSFQARQLILQYGLTSLDLDRHPEIDLAIDGADEVADLN LIKGGGGCLTQEKIVAGYASRFIVIADFRKDSKNLGDQWHKGIPIEVIPMAYVPVSRA VSQKFGGVVELRMAV NKAGPVVTDNGNFILDWKFDRVHKWSEVNTAIKMIPGVVDT GLFINMAERVYFGMQDGSVNMREKPF
Purity	85%, by SDS-PAGE with Coomassie Brilliant Blue staining.
Storage	Store at 2-8°C for 1-2 weeks. Aliquot and store at -20°C to -80°C for up to 3 months, reconstitution with sterile water and addition of an equal volume of glycerol. Avoid

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repeat freeze-thaw cycles.

Reconstitution

Dissolve the product in 200 µl sterile water to achieve a working concentration of 0.25 g/µl. If experimental compatibility allows, mix the aqueous solution with an equal volume of glycerol (1:1 ratio) after initial reconstitution.

GENE INFORMATION

Gene Name RPIA ribose 5-phosphate isomerase A [Homo sapiens]

Official Symbol RPIA

Synonyms RPIA; ribose 5-phosphate isomerase A; ribose-5-phosphate isomerase; ribose 5 phosphate epimerase; phosphoriboisomerase; ribose 5-phosphate epimerase; RPI;

Gene ID 22934

mRNA Refseq NM_144563

Protein Refseq NP_653164

MIM 180430

UniProt ID P49247

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