

Ribose 5-Phosphate Isomerase A Human Recombinant

Item Number	rAP-1215
Synonyms	Ribose-5-phosphate isomerase, Phosphoriboisomerase, RPIA, RPI.
Description	RPIA Human Recombinant produced in E.coli is a single, non-glycosylated polypeptide chain containing 331 amino acids (1-311) and having a molecular mass of 35.4kDa.RPIA is fused to a 20 amino acid His-tag at N-terminus & purified by proprietary chromatographic techniques.
Uniprot Accession Number	P49247
Amino Acid Sequence	MGSSHHHHH SSSLVPRGSH MQRPGPFSTL YGRVLAPLPG RAGGAASGGG GNSWDLPGSH VRL-PGRAQSG TRGGAGNTST SCGDSNSICP APSTMSKAE AKKLAGRAAV ENHVRNNQVL GIGSGSTIVH AVQRIAERVK QENLNLVCIP TSFQARQLIL QYGLTSLDLD RHPEIDLAI D GADEV DADLN LIKGGGGCLT QEKIVAGYAS RFIVIADFRK DSKNLGDQWH KGIPIEVIPM AYVPVSRAYS QKFGGVVELR MAVNKAG-PVV TDNGNFILDW KFDRVHKWSE VNTAIKMIPG VVDTGLFINM AERVYFGMQD GSVNMREKPF C.
Source	Escherichia Coli.
Physical Appearance and Stability	Sterile Filtered clear solution. 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.
Formulation and Purity	The RPIA solution (0.25mg/ml) contains 20mM Tris-HCl buffer (pH 8.0), 2mM DTT,40% glycerol, 200mM NaCl, 2mM EDTA and 0.2mM PMSF. Greater than 90% as determined by SDS-PAGE.
Application	
Solubility	
Biological Activity	
Shipping Format and Condition	Lyophilized powder at room temperature.

Optimal dilutions should be determined by each laboratory for each application. The listed dilutions are for recommendation only and the final conditions should be optimized by the ender users! This product is sold for **Research Use Only**