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Product datasheet for AR50181PU-S

RPIA (1-311, His-tag) Human Protein

Product data:

Product Type:	Recombinant Proteins
Description:	RPIA (1-311, His-tag) human recombinant protein, 50 µg
Species:	Human
Expression Host:	E. coli
Expression cDNA Clone or AA Sequence:	MGSSHHHHHH SSGLVPRGSH MQRPGPFSTL YGRVLAPLPG RAGGAASGGG GNSWDLPGSH VRLPGRAQSG TRGGAGNTST SCGDSNSICP APSTMSKAEE AKKLAGRAAV ENHVRNNQVL GIGSGSTIVH AVQRIAERVK QENLNLVCIP TSFQARQLIL QYGLTLSDLD RHPEIDLAID GADEVDADLN LIKGGGGCLT QEKIVAGYAS RFIVIADFRK DSKNLGDQWH KGIPIEVIPM AYVPVSRAVS QKFGGVVELR MAVNKAGPVV TDNGNFILDW KFDRVHKWSE VNTAIKMIPG VVDTGLFINM AERVYFGMQD GSVNMREKPF C
Tag:	His-tag
Predicted MW:	35.4 kDa
Concentration:	lot specific
Purity:	>90% by SDS - PAGE
Buffer:	Presentation State: Purified State: Liquid purified protein Buffer System: 20 mM Tris-HCl buffer (pH 8.0) containing 2 mM DTT, 40% glycerol, 200 mM NaCl, 2 mM EDTA, 0, 2 mM PMSF
Preparation:	Liquid purified protein
Protein Description:	Recombinant human RPIA protein, fused to His-tag at N-terminus, was expressed in E.coli and purified by using conventional chromatography techniques.
Storage:	Store undiluted at 2-8°C for one week or (in aliquots) at -20°C to -80°C for longer. Avoid repeated freezing and thawing.
Stability:	Shelf life: one year from despatch.
RefSeq:	NP_653164
Locus ID:	22934
UniProt ID:	P49247
Cytogenetics:	2p11.2

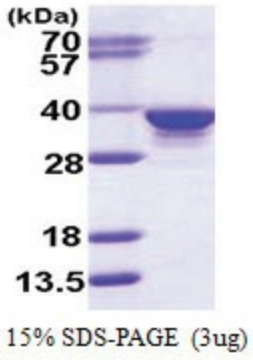
View online »

Synonyms: RPI; RPIAD

Summary: The protein encoded by this gene is an enzyme, which catalyzes the reversible conversion between ribose-5-phosphate and ribulose-5-phosphate in the pentose-phosphate pathway. This gene is highly conserved in most organisms. The enzyme plays an essential role in the carbohydrate metabolism. Mutations in this gene cause ribose 5-phosphate isomerase deficiency. A pseudogene is found on chromosome 18. [provided by RefSeq, Mar 2010]

Protein Pathways: Metabolic pathways, Pentose phosphate pathway

Product images:



15% SDS-PAGE (3ug)