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RPIA, 1-311aa, Human, His tag, E.coli

产品货号: TP03766

第三版

别名:Ribose 5-phosphate isomerase, RPI.

描述:RPIA (Ribose-5-phosphate isomerase) belongs to the ribose 5-phosphate isomerase family. RPIA is an enzyme that catalyzes the conversion between ribose-5-phosphate (R5P) and ribulose-5-phosphate (Ru5P). RPI exists as two distinct proteins forms, termed RPIA and RPIB. RPIA plays an essential role in the metabolism of plants and animals, as it is involved in the Calvin cycle which takes place in plants, and the pentose phosphate pathway which takes place in plants as well as animals.

配方:Liquid. In 20mM Tris-HCl buffer (pH 8.0) containing 2mM DTT, 40% glycerol, 200mM NaCl, 2mM EDTA, 0,2mM PMSF

分子量:35.4kDa (331aa), confirmed by MALDI-TOF

序列:

MGSSHHHHHHSSGLVPRGSHMQRPGPFSTLYGRVLAFLPGRAGGAASGGGGNSWDLPGSHVRLPGRAQSGTRGGAGN
TSTSCGDSNSICPAPSTMKAEEAKKLAGRAAVENHVRNNQVLGIGSGSTIVHAVQRIAERVKQENLNLVCIPTSFQARQLI
LQYGLTSLDLRHP EIDL AIDGADEVDADLNLIKGGGGCLTQEKIVAGYASRFIVIADFRKDSKNLGDQWHKGIPIEVIPM
AYVPVSRVAVSQKFGGVVELRMAV NKAGPVVTDNGNFILDWKFDRVHKWSEVNTAIKMIPGVVDTGLFINMAERVYFG
MQDGSVNMREKPF C

纯度:> 95% by HPLC

浓度:0.25mg/ml (determined by Bradford assay)

内毒素:<1.0 EU per 1 ug of protein (determined by LAL method)

存储: +4 ° C 保存 (1-2 周). 长期保存在-20 ° C或者-70 ° C. 避免反复冻融.