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TKT, 1-623aa, Human, His tag, E.coli

产品货号: TP04230

第三版

别名: Transketolase, TK, TKT1

描述: TKT, also known as transketolase, is a thiamine-dependent enzyme which plays a role in the channeling of excess sugar phosphates to glycolysis in the pentose phosphate pathway. Multiple alternatively spliced variants, encoding the same protein, have been identified. Recombinant human TKT protein, fused to His-tag at N-terminus, was expressed in E.coli and purified by using conventional chromatography techniques.

配方: Liquid. 20mM Tris-HCl buffer (pH8.0) containing 10% glycerol, 0.1M NaCl, 1mM DTT

分子量: 70.0 kDa (643aa)

序列:

MGSSHHHHHHSSGLVPRGSHMESYHKPDQQKLQALKDTANRLRISSIQATTAAGSGHPTSCCSAAEIMAVLFFHTMRYK
SQDPRNPHNDRFVLSKGAAPILYAVWAEAGFLAEALLNLRKISSDLGHPVPKQAFTDVAATGSLGQGLGAACGMAYT
GKYFDKASYRVYCLLDGELSEGSVWEAMAFASIYKLDNLVAILDINRLGQSDPAPLQHQMDIYQKRCEAFGWHAIIVDG
HSVEELCKAFGQAKHQPTAIIAKTFKGRGITGVEDKESWHGKPLPKNMAEQIIQEIYSQIQSKKKILATPPQEDAPSVDIANI
RMPSLPSYKVGDKIATRKYGQALAKLGHASDRIIALDGDGDTKNSTFSEIFKKEHPDRFIECYIAEQNMVSIIVGCAVTRNRTV
PFCSTFAAFFTRAQFDQIRMAAISESNINLCGSHCGVSI GEDGPSQMALEDLAFMFRSVPTSTVFYPSDGVATEKAVELAANTK
GICFIRTSRPENAIYNNNEDFQVGQAKVVLKSKDDQVTVIGAVTLHEALAAAELLKKEKINIRVLDPFITKPLDRKLILDS
ARATKGRILTVEDHYEYEGGIGEA VSSAVVGEPIVTHLAVNRVPRSGKPAELLKMFIDRDAIAQAVRGLITKA

纯度: > 95% by HPLC

浓度: 0.25 mg/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.