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TALDO1, 1-337aa, Human, His tag, E.coli

产品货号: TP04141

第三版

别名:TAL, TAL-H, TALDOR, TALH, TALDO1, Transaldolase 1

**描述:**TALDO1 is a key enzyme of the non-oxidative pentose phosphate pathway providing ribose-5-phosphate for nucleic acid synthesis and NADPH for lipid biosynthesis. This protein transfers a dihydroxyacetone group from donor compounds (fructose 6-phosphate or sedoheptulose 7-phosphate) to aldehyde acceptor compounds. It is expressed at selectively high levels in oligodendrocytes of the brain. Deficiency of TALDO1 causes accumulation of erythritol, D-arabitol, and ribitol. Recombinant human TALDO1, fused to His-tag at N-terminus, was expressed in E.coli and purified by using conventional chromatography.

**配方:**Liquid. In 20 mM Tris-HCl Buffer (pH 8.0) containing 10% Glycerol

**分子量:**39.7 kDa(357aa), confirmed by MALDI-TOF

**序列:**

MGSSHHHHHSSGLVPRGSHMSSSPVKRQRMESALDQLKQFTTVVADTGDFHAIDEYKPQDATTNPSLILAAAQMPAY  
QELVEEAIAYGRKLGGSQEDQIKNAIDKLFVLFGAIEILKKIPGRVSTEV DARLSFDK DAMVARARRLIELYKEAGISKDRILIK  
LSSTWEGIQAGKELEEQHGIHCNMTLLFSAQAVACAEAGVTLISPFVGRILDWHVANTDKKSYELEDPGVKSVTKIYNY  
YKKFSYKTIVMGASFRNTGEIKALAGCDFLTISP KLLGELLQDNAKLVPVLSAKAAQASDLEKIHLDEKSFRWLHNEDQMA  
VEKLSDGIRKFAADAVKLERMLTERMFNAENGK

**纯度:**> 95% by HPLC

**浓度:**1 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.