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Gpt, 1-496aa, Rat, His tag, E.coli

产品货号: TP02323

第三版

别名:Gpt1

**描述:**Gpt also known as Alanine aminotransferase 1, is a pyridoxal enzyme which catalyses the reversible interconversion of L-alanine and 2-oxoglutarate to pyruvate and L-glutamate. The Gpt is widely distributed in various tissues from animals and even in some kind of plants. It is suggested that c-ALT is associated to the utilization of pyruvate in glycolysis and m-ALT is involved in the conversion of alanine to pyruvate for gluconeogenesis. Recombinant rat Gpt, fused to His-tag at N-terminus, was expressed in E.coli and purified by using conventional chromatography techniques

**配方:**Liquid. In Phosphate Buffered Saline pH 7.4 containing 10% glycerol

**分子量:**57.5kDa (519aa)

**序列:**

MGSSHHHHHHSSGLVPRGSHMGSMASRVNDQSQASRNLKGGKVLTLDTMNPVRRVEYAVRGPIVQRALELEQELRQ  
GVKKPFTEVIRANIGDAQAMGQRPITFFRQVLALCVYPNLLSPPDFEDAKRRAERILQACGGHSLGAYSISGGIPIREDVA  
QYIERRDGGIPADPNNIFLSTGASDAIVTMLKLLVSGEGRARTGVLIPQYPLYSAAELAELDAVQVDYYLDEERAWALDIAE  
LRRALCQARDRCCPRVLCVINPGNPTGQVQTRECIEAVIRFAFKEGLFLMADEVYQDNVYAEGSQFHSFKKVLMMGPP  
YSTQQELASFHSVSKGYMGECGFRGGYVEVNMDAEVQKQMGKLSVRLCPPVPGQALMDMVVSPPTPSEPSFKQFQA  
ERQEVLAELAAKAKLTEQVFNEAPGIRCNPVQGMYSFPQVQLPLKAVQRAQELGLAPDMFFCLCLEETGICVVPKSGF  
GQQEGTYHFRMTILPPMEKLRLLLLLEKLSHFHAKFTHEYS

**纯度:**> 95% by HPLC

**浓度:**1mg/ml (determined by Absorbance at 280nm)

**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.