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GPT, 1-496aa, Human, His tag, E.coli

产品货号: TP02321

第三版

别名:AAT1, ALT1, GPT1

**描述:**GPT, also known as alanine aminotransferases (ALT1), catalyzes the reversible transamination between alanine and 2-oxoglutarate to form pyruvate and glutamate. This protein plays a key role in the intermediary metabolism of glucose and amino acids. It is widely used as an index of liver integrity or hepatocellular damage in clinical settings. Recombinant human GPT protein, fused to His-tag at N-terminus, was expressed in E.coli and purified by using conventional chromatography.

**配方:**Liquid. In 20mM Tris-HCl buffer (pH8.0) containing 20% glycerol, 2mM DTT

**分子量:**56.8 kDa (516aa), confirmed by MALDI-TOF

**序列:**

MGSSHHHHHSSGLVPRGSHMASSTGDRSQAVRHGLRAKVLTLDGMNPRVRRVEYAVRGPIVQRALELEQELRQGVKK  
PFTEVIRANIGDAQAMGQRPITFLRQVLALCVNPDLLSSPNFPDDAKKRAERILQACGGHSLGAYSVSSGIQLIREDVARYIE  
RRDGGIPADPNNVFLSTGASDAIVTVLKLLVAGEGHTRTGVLIPQYPLYSATLAELGAVQVDYYLDEERAWALDVAELH  
RALGQARDHCRPRALCVINPGNPTGQVQTRECIEAVIRFAFEERLFLLADEVYQDNVYAAGSQFHSFKKVLMMEMGPPYA  
GQQELASFHSTSKGYMGECGFRGGYVEVVNMDAAVQQQMLKLMVRLCPPVPGQALLDLVVSPAPTDPFSAQFQAEK  
QAVLAELAAKAKLTEQVFNEAPGISCNPVQGAMYSFPRVQLPPRAVERAQLGLAPDMFFCLRLLLEETGICVVPVGGSGFGQ  
REGTYHFRMTILPPLEKLRLLLEKLSRFHAKFTLEYS

**纯度:**> 95% by HPLC

**浓度:**0.5 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.