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

产品货号: TP02320

第三版

别名: Alanine aminotransferase 1, ALT, ALT1, Gpt-1, Gpt1

描述: Gpt, also known as alanine aminotransferases 1, 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 mouse Gpt protein, fused to His-tag at N-terminus, was expressed in E.coli and purified by using conventional chromatography.

配方: Liquid. In Phosphate Buffered Saline (pH7.4) containing 1mM DTT, 10% glycerol

分子量: 57.5 kDa (519 aa) confirmed by MALDI-TOF

序列:

MGSSHHHHHHSSGLVPRGSHMGSMASQRNDRIQASRNGLKGGKVLTLDTMNPCVRRVEYAVRGPIVQRALELEQELRQG
VKKPFTEVIRANIGDAQAMGQRPITFFRQVLALCVYPNLLSSPDFPEDAKRRAERILQACGGHSLGAYSISSGIQPIREDVAQ
YIERRDGGIPADPNINFLSTGASDAIVTMLKLLVAGEGRARTGVLIPQYPLYSAALAELDAVQVDYYLDEERAWALDIAEL
RRALCQARDRCCPRVLCVINPGNPTGQVQTRECIEAVIRFAFEEGLFLMADEVYQDNVYAEGSQFHSFKKVLTEMGPPYA
TQQELASFHSVSKGYMGECGFRGGYVEVVNMDAEVQKQMAKLSVRLCPPVPGQALMGMVVSPTPSEPSFKQFQAER
QEVLAELA AAKALTEQVFNEAPGIRCNPVQGAMYSFPQIQLPLKAVQRAQDLGLAPDMFFCLCLEETGICVVPGSGFGQ
QEGTYHFRMTILPPMEKLRVLEKLRHFHAKFTHEYS

纯度: > 95% by HPLC

浓度: 1 mg/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.