

GPT2, 1-523aa Human, His tag, E.coli

Cat.NO.: TP02324

3th Edition

Synonyms: Alanine aminotransferase 2, ALT2, AAT2

Description: Alanine aminotransferase 2, also known as GPT2, catalyzes the reversible transamination between alanine and 2-oxoglutarate to form pyruvate and glutamate. Subsequently, they play a key role in the intermediary metabolism of glucose and amino acids. GPT2 expression is high in muscle, fat and kidney. Recombinant human GPT2 protein, fused to His-tag at N-terminus, was expressed in E.coli and purified by using conventional chromatography techniques.

Form: Liquid. In 20mM Tris-HCl buffer (pH 7.5) containing 30% glycerol 0.2M NaCl, 2mM DTT

Molecular Weight: 60.3kDa (546aa)

Sequences:

MGSSHHHHHSSGLVPRGSHMGSMQRAAALVRRGCGPRTTPSSWGRSQSSAAAEASAVLKVRPERSRRERILTL
ESMNPQVKAVEYAVRGPVILKAGEIELELQRGIKKPFTEVIRANIGDAQAMGQQPITFLRQVMALCTYPNLLDSPSFP
EDAKKRARRILQACGGNSLGSYSASQGVNCIREDVAAYITRRDGGVPADPDNIYLTGASDGISTILKILVSGGGKSR
TGVMIPQYPLYSAVISELDAIQVNYYLDEENCWALNVNELRRAVQEAKDHCDPKVLCIINPGNPTGQVQSRKCIED
VIHFAWEEKLFLLADEVYQDNVYSPDCRFHSFKKVLVEMGPEYSSNVELASFHSTSKGYMGECGYRGGYMEVINL
HPEIKGQLVKLLSVRLCPPVSGQAAMDIVNPPVAGEESFEQFSREKESVLGNLAKKAKLTEDLFNQVPGIHCNPLQ
GAMYAFPRIFIPAKAVEAAQAHQMAPDMFYCMKLEETGICVVPGSGFGQREGTYHFRMTILPPVEKLTVLQKVK
DFHINFLEKYA

Purity: > 95% by HPLC

Concentration: 0.5 mg/ml (determined by Bradford assay)

Endotoxin Level: <1.0 EU per 1 ug of protein (determined by LAL method)

Storage: Can be stored at +4°C short term (1-2 weeks). For long term storage, aliquot and store at -20°C or -70°C. Avoid repeated freezing and thawing cycles.