

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

Cat.NO.: TP02325

3th Edition

Synonyms:AAT2, ALT2

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 (pH7.5) containing 30% glycerol, 2mM DTT, 0.2M NaCl

Molecular Weight:60.3 kDa (546aa)

Sequences:

MGSSHHHHHSSGLVPRGSHMGSMQRAAALVRRGCGPRT PSSWGRSQSSAAAEASAVLKVRPERSRRERILTL
ESMNPQVKAVEYAVRGPVILKAGEIELELQRGIKKPFTEVIRANIGDAQAMGQQPITFLRQVMALCTYPNLLDSPSFP
EDAKKRARRILQACGGNSLGSYSASQGVNCIREDDVAAYITRRDGGVPADPDNIYLTGASDGISTILKILVSGGGKSR
TGVMIPQYPLYSAVISELDAIQVNYYLDEENCWALNVNELRRAVQEAKDHCDPKVLCIINPGNPTGQVQSRKCIED
VIHFAWEEKLFLLADEVYQDNVYSPDCRFHSFKKVL YEMGPEYSSNVELASFHSTSKGYMGECGYRGGYMEVINL
HPEIKGQLVKLLSVRLCPPVSGQAAMDIVNPPVAGEESFEQFSREKESVLGNLAKKAKLTEDLFNQVPGIHCNPLQ
GAMYAFPRIFIPAKAVEAAQAHQMAPDMFYCMKLEETGICVVP GSGFGQREGTYHFRMTILPPVEKLTVLQKVK
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.