

AR50738PU-N

Human GPT2 (1-523, His-tag) - Purified

Alternate names:

AAT2, ALT2, Alanine aminotransferase 2, Glutamate pyruvate transaminase 2, Glutamic-alanine transaminase 2, Glutamic-pyruvic transaminase 2

Quantity:

0.25 mg

Concentration:

0.5 mg/ml (determined by Bradford assay)

Background:

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.

Uniprot ID:

[Q8TD30](#)

NCBI:

[NP_597700](#)

GeneID:

[84706](#)

Species:

Human

Source:

E. coli

Format:

State: Liquid purified protein

Purity: >90% by SDS - PAGE

Buffer System: 20 mM Tris-HCl buffer (pH 7.5) containing 30% glycerol 0.2M NaCl, 2mM DTT

Description:

Recombinant human GPT2 protein, fused to His-tag at N-terminus, was expressed in E.coli and purified by using conventional chromatography techniques.

AA Sequence:

MGSSHHHHH SGLVPRGSH MGSMQRAAAL VRRGCGPRT P SSWGRSQSSA AAEASAVLKV
RPERSRRERI LTLESMNPQV KAVEYAVRGP IVLKAGEIEL ELQRGIKKPF TEVIRANIGD
AQAMGQQPIT FLRQVMALCT YPNLLDSPSF PEDAKKRARR ILQACGGNSL GSYSASQGVN
CIREDVAAYI TRRDGGVPAD PDNIYLTGTA SDGISTILKI LVSGGGKSRT GVMIPQYP
LYSAVISELD AIQVNYLDE ENCWALNVNE LRRVQEAKE HCDPKVLCII NPGNPTGQVQ
SRKCIEDVIH FAWEEKLFL ADEVYQDNVY SPDCRFHSFK KVLVEMGPEY SSNVELASFH
STSKGYMGEC GYRGGYMEVI NLHPEIKGQL VKLLSVRLCP PVSGQAAMDI VVNPPVAGEE
SFEQFSREKE SVLGNLAKKA KLTEDLFNQV PGIHCNPLQG AMYAFPRIFI PAKAVEAAQA
HQMAPDMFYC MKLLEETGIC VVPGSGFGQR EGTYHFRMTI LPPVEKLKTV LQKVKDFHIN FLEKYA

Molecular weight: 60.3 kDa (546aa)

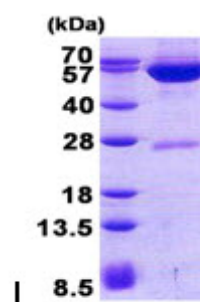
Storage:

Store undiluted at 2-8°C for one week or (in aliquots) at -20°C to -80°C for longer. Avoid repeated freezing and thawing. Shelf life: one year from despatch.

General Readings:

Sohocki M M., et al. (1997) Genomics. 40:247-252 Matthews C C., et al. (2003) Hepatology. 39: 1297-1302.

Pictures:



15% SDS-PAGE (3ug)