

## AR50738PU-S

## 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:

50 µg

### 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 LTLESMPQV 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  
HQMADPMFYC 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:**

