

GPT2/ALT2, human recombinant protein
Alanine aminotransferase 2, AAT2, ALT2
Catalog # PBV11365r**Specification****GPT2/ALT2, human recombinant protein - Product info**

Primary Accession	Q8TD30
Concentration	0.5
Calculated MW	60.3 kDa (546 aa, 1-523 aa + His Tag) kDa

GPT2/ALT2, human recombinant protein - Additional Info

Gene ID	84706
Gene Symbol	GPT2
Other Names	
Alanine aminotransferase 2, AAT2, ALT2	
Gene Source	Human
Source	E.coli
Assay&Purity	SDS-PAGE; ≥90%
Assay2&Purity2	N/A;
Recombinant	Yes
Results	Specific activity is > 30 unit/mg
Sequence	MGSSHHHHHH SGLVPRGSH MGSMQRAAAL VRRGCGP RTP SSWGRSQSSA AAEASAVLKV RPERSRRERI LTLESMNPQV KAVEYAVRGP IVLKAGEIEL ELQGIKKPF TEVIRANIGD AQAMGQQPIT FLRQVMALCT YPNLLDSPSF PEDAKKRARR ILQACGGNSL GSYSASQGVN CIREDVAAYI TRRDGGVPAD PDNIYLTGGA SDGISTILKI LVSGGGKSRT GVMIPPIQYP LYSAVISELD AIQVNYYLDE ENCWALNVNE LRAVQEAKD HCDPKVLCII NPGNPTGQVQ SRKCIEDVIH FAWEEKLFLL ADEVYQDNVY SPDCRFHSFK KVL YEMGPEY SSNVELASFH STSKGYMGEC GYRGGYMEVI NLHPEIKGQL VKLLSVRLCP PVSGQAAMDI VVNPPVAGEE SFEQFSREKE SVLGNLAKKA KLTEDLFNQV PGIHCNPLQG AMYAFPRIFI PAKAVEAAQA HQMAPDMFYC MKLLEETGIC VVPGSGFGQR EGTYHFRMTI LPPVEKLKTV LQKVKDFHIN FLEKYA

Target/Specificity
GPT2/ALT2**Format**
Liquid**Storage**
-20°C; 0.5 mg/ml solution 20 mM Tris-HCl buffer (pH 7.5), 30% glycerol, 0.2 M NaCl and 2 mM DTT.

GPT2/ALT2, human recombinant protein - Protocols

Provided below are standard protocols that you may find useful for product applications.

- [Western Blot](#)
- [Blocking Peptides](#)
- [Dot Blot](#)
- [Immunohistochemistry](#)
- [Immunofluorescence](#)
- [Immunoprecipitation](#)
- [Flow Cytometry](#)
- [Cell Culture](#)

GPT2/ALT2, human recombinant protein - Images

GPT2/ALT2, human recombinant protein - 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. Recombinant human GPT2 protein, fused to His-tag at N-terminus, was expressed in E.coli and purified by using conventional chromatography techniques.

GPT2/ALT2, human recombinant protein - References

Yang R.-Z., et al. Genomics 79:445-450(2002).
Ota T., et al. Nat. Genet. 36:40-45(2004).
Martin J., et al. Nature 432:988-994(2004).
Burkard T.R., et al. BMC Syst. Biol. 5:17-17(2011).