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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 SSGLVPRGSH MGSMQRAAAL VRRGCGPRTP SSWGRSQSSA AAEASAVLKV RPERSRRERI LTLESMNPQV KAVEYAVRGP IVLKAGEIEL ELQRGIKKPF TEVIRANIGD AQAMGQQPIT FLRQVMALCT YPNLLDSPSF PEDAKKRARR ILQACGGNSL GSYSASQGVN CIREDVAAYI TRRDGGVPAD PDNIYLTTGA SDGISTILKI LVSGGGKSRT GVMIPIPQYP LYSAVISELD AIQVNYYLDE ENCWALNVNE LRRAVQEAKD HCDPKVLCII NPGNPTGQVQ SRKCIEDVIH FAWEEKLFLL ADEVYQDNVY SPDCRFHSFK KVLYEMGPEY 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.

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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 Cytomety
- 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).