

Datasheet for ABIN7596254
GPT2 Protein (AA 1-523) (His tag)



[Go to Product page](#)

Overview

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|-------------------------------|---|
| Quantity: | 500 µg |
| Target: | GPT2 |
| Protein Characteristics: | AA 1-523 |
| Origin: | Human |
| Source: | Escherichia coli (E. coli) |
| Protein Type: | Recombinant |
| Biological Activity: | Active |
| Purification tag / Conjugate: | This GPT2 protein is labelled with His tag. |
| Application: | SDS-PAGE (SDS), Enzyme Activity Assay (EAA) |

Product Details

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| Sequence: | <p> MQRAAAL VRRGCGPRTP SSWGRSQSSA AAEASAVLKV RPERSRRERI LTLESMNPQV KAVEYAVRGP IVLKAGEIEL ELQRGIKKPF TEVIRANIGD AQAMGQQPIT FLRQVMALCT YPNLLDSPSF PEDAkkRARR ILQACGGNSL GSYASQGVN CIREDVAAYI TRRDGGVPAD PDNIYLTGGA SDGISTILKI LVSGGGKSRT GVMIPQPYP LYSAVISELD AIQVNYLDE ENCWALNVNE LRRAVQEAKD HCDPKVLCII NPGNPTGQVQ SRKCIEDVIH FAWEEKLFL ADEVYQDNVY SPDCRFHSFK KVL YEMGPEY SSNVELASFH STSKGYMGEC GYRGGYMEVI NLHPEIKGQL VKLLSVRLCP PVSGQAAMDI VVNPPVAGEE SFEQFSREKE SVLGNLAKKA KLTEDLFNQV PGIHCNPLQG AMYAFPRIFI PAKAVEAAQA HQMAPDMFYC MKLLEETGIC VVPGSGFGQR EGTYHFRMTI LPPVEKLKTV LQKVKDFHIN FLEKYA </p> |
| Purity: | > 90% by SDS-PAGE |

Product Details

Biological Activity Comment: Specific activity is > 100unit/mg, and is defined as the amount of enzyme that cleaves 1umole of L-Alanine to L-Glutamate per minute at pH 7.5 at 37C

Target Details

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| Target: | GPT2 |
| Alternative Name: | ALT2/GPT2 (GPT2 Products) |
| 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. |
| Molecular Weight: | 60.3 kDa (546aa) |
| NCBI Accession: | NP_597700 |

Application Details

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| Application Notes: | Optimal working dilution should be determined by the investigator. |
| Restrictions: | For Research Use only |

Handling

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| Format: | Liquid |
| Concentration: | 0.5 mg/mL |
| Storage: | 4 °C,-20 °C,-80 °C |
| Storage Comment: | Can be stored at +2°C to +8°C for 1 week. For long term storage, aliquot and store at -20°C to -80°C. Avoid repeated freezing and thawing cycles. |