

Datasheet for ABIN6387974

ALT Protein (AA 1-496) (His tag)



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1 Image

Overview

Quantity:	100 µg
Target:	ALT
Protein Characteristics:	AA 1-496
Origin:	Mouse
Source:	Escherichia coli (E. coli)
Protein Type:	Recombinant
Biological Activity:	Active
Purification tag / Conjugate:	This ALT protein is labelled with His tag.
Application:	SDS-PAGE (SDS), Enzyme Activity Assay (EAA)

Product Details

Sequence:	MASQRND RIQASRNLK GKVLTLDTMN PCVRRVEYAV RGPVQRALE LEQELRQGVK KPFTEVIRAN IGDAQAMGQR PITFFRQVLA LCVYPNLLSS PDFPEDAKRR AERILQACGG HSLGAYSISS GIQPIREDVA QYIERRDGGI PADPNNIFLS TGASDAIVTM LKLLVAGEGR ARTGVLIPIP QYPLYSAALA ELDAVQVDYY LDEERAWALD IAE LRALCQ ARDRCCPRVL CVINPGNPTG QVQTRECIEA VIRFAFEEGL FLMADEVYQD NVYAEGSQFH SFKKVLTEMG PPYATQQELA SFHSVSKGYM GECGFRGGYV EVVNMDAEVQ KQMAKLMSVR LCPPVPGQAL MGMVVSPPPT SEPSFKQFQA ERQEVLAELA AKAKLTEQVF NEAPGIRCNP VQGAMYSFPQ IQLPLKAVQR AQDLGLAPDM FFCLCLEET GICVVP GSGF GQQEGTYHFR MTILPPMEKL RVLLEKLRHF HAKFTHEYS
Purity:	> 90% by SDS-PAGE

Product Details

Endotoxin Level:	< 1 EU per 1ug of protein (determined by LAL method)
Biological Activity Comment:	Specific activity is > 100unit/mg, and is defined as the amount of enzyme that convert 1umole of L-Alanine to L-Glutamate per minute at pH 7.5 at 37C

Target Details

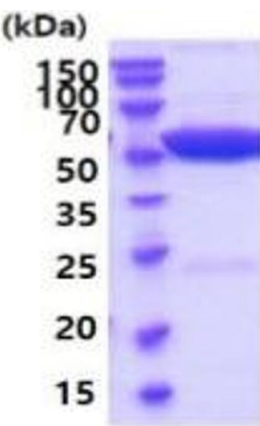
Target:	ALT
Alternative Name:	ALT1/GPT1 (ALT Products)
Background:	Gpt, also known as alanine aminotransferases 1, catalyzes the reversible transamination between alanine and 2-oxoglutarate to form pyruvate and glutamate. This protein plays a key role in the intermediary metabolism of glucose and amino acids. It is widely used as an index of liver integrity or hepatocellular damage in clinical settings. Recombinant mouse Gpt protein, fused to His-tag at N-terminus, was expressed in E. coli and purified by using conventional chromatography.
Molecular Weight:	57.5 kDa (519aa) confirmed by MALDI-TOF
NCBI Accession:	NP_877957
UniProt:	Q8QZR5

Application Details

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

Handling

Format:	Liquid
Concentration:	0.5 mg/mL
Buffer:	Liquid. In Phosphate Buffered Saline (pH 7.4) containing 1 mM DTT, 10 % glycerol
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.



15% SDS-PAGE (3ug)

SDS-PAGE
Image 1.