

Recombinant Rat ALT, His-tagged

Cat. No. ALT-3248R **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Alanine Aminotransferase (ALT)
Species	Rat
Source	E.coli
ProteinLength	496
Description	human homolog is a cytosolic alanine aminotransferase .
Form	Supplied as lyophilized form in PBS,pH7.4, containing 5% sucrose, 0.01% sarcosyl.
Molecular Mass	56.6kDa
Endotoxin	<1.0eu per 1ug (determined by the lal</1.0eu
Purity	>95%
Applications	SDS-PAGE, Western Blot (WB), ELISA (EIA), Immunoprecipitation (IP)
Notes	Small volumes of ALT recombinant protein may occasionally become entrapped in the seal of the product vial during shipment and storage. If necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the container`s cap. Certain products may require to ship with dry ice.

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 Email: info@creative-biomart.com  Fax: 1-631-938-8127

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Storage	Avoid repeated freeze/thaw cycles. Store at 2-8 degree C for one month. Aliquot and store at -80 degree C for 12 months. Stability Test: The thermal stability is described by the loss rate of the target protein. The loss rate was determined by accelerated thermal degradation test, that is, incubate the protein at 37 degree C for 48h, and no obvious degradation and precipitation were observed. (Referring from China Biological Products Standard, which was calculated by the Arrhenius equation.) The loss of this protein is less than 5% within the expiration date under appropriate storage condition.
Reconstitution	Reconstitute in sterile PBS, pH 7.2-pH 7.4.
Warning	This product is for research use only. Not for use in diagnostic or therapeutic procedures.

GENE INFORMATION

Gene Name	Gpt glutamic-pyruvate transaminase (alanine aminotransferase) [Rattus norvegicus]
Official Symbol	Gpt
Synonyms	Gpt1; alanine aminotransferase 1; ALT1; GPT 1; glutamic pyruvate transaminase; glutamic--alanine transaminase 1; glutamic--pyruvic transaminase 1; glutamate pyruvate transaminase 1; glutamic pyruvic transaminase 1, soluble; glutamic pyruvic transaminase (alanine aminotransferase)
Gene ID	81670
mRNA Refseq	NM_031039
Protein Refseq	NP_112301
UniProt ID	P25409

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Chromosome Location	7q34
Pathway	2-Oxocarboxylic acid metabolism, organism-specific biosystem; Amino acid synthesis and interconversion (transamination), organism-specific biosystem
Function	L-alanine:2-oxoglutarate aminotransferase activity; pyridoxal phosphate binding

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