

Alanine Aminotransferase Active Protein | GPT active protein

Glutamate Pyruvate Transaminase (GPT), Alanine Transaminase (ALT)

CATALOG #
AAA11476

HOST
Porcine Heart

PRODUCT SYNONYMS

Alanine Aminotransferase; Glutamate Pyruvate Transaminase (GPT); Alanine Transaminase (ALT); Alanine Transaminase; ALT; GPT; GPT active protein

PRODUCT SPECIFICATIONS

Host	Porcine Heart
Form/Format	Lyophilized from tris-chloride buffer, pH 7.0 with sodium chloride, EDTA, DTT, alpha-ketoglutarate, and pyridoxal-5-phosphate
Appearance	Yellow to yellow-green powder
Solubility	Clear, colorless to yellow-green solution (1 mg/mL saline)
Activity	93 units/mg (Dimension Clinical Chemistry System)
Protein	0.90 mg protein/mg (A_{280}) 0.57 mg protein/mg (Coomassie)
Specific Activity	100 U/mg protein (A_{280}) 160 U/mg protein (Coomassie)
Unit Definition	One unit will catalyze the transamination of one micromole per minute of L-alanine to α -ketoglutarate, forming L-glutamate and pyruvate, at 37°C and pH 7.4.
Contaminants	CPK: $\leq 0.1\%$ GLDH: $\leq 0.01\%$ LDH: $\leq 0.1\%$ SGOT/AST: $\leq 0.5\%$ Protease: ≤ 0.02 U/mg (< 0.001 O.D./8 min.) Ammonia: ≤ 0.5 micromole/mg
Handling Information	Reconstitute into provided container and centrifuge to ensure full recovery. Aliquot and freeze at -20°C after reconstitution. Handle as a potentially hazardous substance.
Preparation and Storage	Store at -20°C; Protect from moisture. Shipping: Blue Ice

ADDITIONAL INFORMATION

Product Categories/Family for GPT active protein	Proteins; Antigens; Enzymes; Standards/controls; Native Proteins; Alanine Aminotransferase (alt; Gpt)
--	---

NCBI AND UNIPROT INFORMATION

NCBI GI #	113565
UniProt Accession #	P13191
Molecular Weight	Approximately 100,000

NCBI Official Full Name	Alanine aminotransferase 1
UniProt Protein Name	Alanine aminotransferase 1
UniProt Gene Name	GPT
UniProt Synonym Gene Names	AAT1; GPT1; ALT1; GPT 1
UniProt Entry Name	ALAT1_PIG

For Research Use Only. Not for use in diagnostic or therapeutic procedures. Small volumes of product may become entrapped in the seal of the vial during shipment and storage; if necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the cap.

AAA Biotech | Tel: +1 (619) 604-9440 | Fax: +1 (619) 604-9441 | contact@aaabiotech.com
Online datasheet: <https://stage.aaabiotech.com/porcine-heart-gpt-active-protein/alanine-aminotransferase/11476>