Recombinant Human cAspAT/AATC/GOT1 Protein

Catalog No.: RP00040

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Sequence Information

Species	Gene ID
Human	2805
Swiss Prot	**Tags**
P17174	No tag

Synonyms

AST1, ASTQTL1, GIG18, cAspAT, cCAT,GOT1,ASTQTL1,GIG18, cAspAT,cCAT

Product Information

Source	Purification
E. coli	≥ 95 % as determined by SDS-PAGE.
Calculated MW	**Observed MW**
46.12 kDa	40-45 kDa

Endotoxin

< 0.1 EU/μg of the protein by LAL method.

Formulation

Lyophilized from a 0.22 μm filtered solution of PBS, pH 7.4.Contact us for customized product form or formulation.

Reconstitution

Centrifuge the vial before opening. Reconstitute to a concentration of 0.1-0.5 mg/mL in sterile distilled water. Avoid vortex or vigorously pipetting the protein. For long term storage, it is recommended to add a carrier protein or stablizer (e.g. 0.1% BSA, 5% HSA, 10% FBS or 5% Trehalose), and aliquot the reconstituted protein solution to minimize free-thaw cycles.

Background

Glutamic-oxaloacetic transaminase is a pyridoxal phosphate-dependent enzyme which exists in cytoplasmic and mitochondrial forms, GOT1 and GOT2, respectively. GOT plays a role in amino acid metabolism and the urea and tricarboxylic acid cycles. The two enzymes are homodimeric and show close homology.

Basic Information

Description

Recombinant Human cAspAT/AATC/GOT1 Protein is produced by *E. coli* expression system. The target protein is expressed with sequence (Ala2-Gln413) of human cAspAT (Accession #NP_002070.1).

Activity

Shipping

Lyophilized proteins are shipped at ambient temperature.
Liquid proteins are shipped at frozen temperature with dry ice.
Upon receipt, store it immediately at the temperature recommended below.

Storage

Store at -20℃

Operational Notes

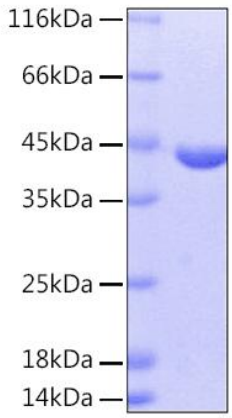
For your safety and health, please wear a lab coat and disposable gloves for handling.

Contact

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Validation Data



Recombinant Human cAspAT/AATC/GOT1 Protein was determined by SDS-PAGE under reducing conditions with Coomassie Blue.