



Recombinant Protein Technical Manual

Recombinant Human GOT1 Protein (His Tag)

RPES5027

Product Data:

Product SKU: RPES5027

Size: 10µg

Species: Human

Expression host: E. coli

Uniprot: P17174

Protein Information:

Molecular Mass: 47.3 kDa

AP Molecular Mass: 45 kDa

Tag: C-6His

Bio-activity:

Purity: > 90 % as determined by reducing SDS-PAGE.

Endotoxin: < 1.0 EU per µg as determined by the LAL method.

Storage: Store at < -20°C, stable for 6 months. Please minimize freeze-thaw cycles.

Shipping: This product is provided as liquid. It is shipped at frozen temperature with blue ice/gel packs. Upon receipt, store it immediately at < -20°C.

Formulation: Supplied as a 0.2 µm filtered solution of 20mM TrisHCl, 100mM NaCl, 2mM DTT, 20% Glycerol, pH 7.5.

Reconstitution: Please refer to the printed manual for detailed information.

Application:

Synonyms: Aspartate Aminotransferase Cytoplasmic; Glutamate Oxaloacetate Transaminase 1; Transaminase A; GOT1

Immunogen Information:

Sequence: Ala2-Leu414

Background:

Glutamate Oxaloacetate Transaminase 1 (GOT1) is a cytoplasmic protein. GOT1 belongs to the class-I pyridoxal-phosphate-dependent aminotransferase family. GOT1 is a pyridoxal phosphate-dependent enzyme that exists in cytoplasmic and mitochondrial forms. GOT1 plays a key role in amino acid metabolism and the urea and tricarboxylic acid cycles. GOT1 involves in L-methionine salvage from methylthioadenosine, aspartate catabolic process, cellular response to insulin stimulus, polyamine metabolic process, and glucocorticoid stimulus.