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Datasheet for ABIN1096059
GOT1 Protein (AA 2-414) (His tag)

Overview

Quantity:	50 µg
Target:	GOT1
Protein Characteristics:	AA 2-414
Origin:	Human
Source:	Escherichia coli (E. coli)
Protein Type:	Recombinant
Purification tag / Conjugate:	This GOT1 protein is labelled with His tag.

Product Details

Purpose:	Recombinant Human Glutamate Oxaloacetate Transaminase 1/GOT1 (C-6His)
Sequence:	APPSVFAEVP QAQPVLVFKL TADFREDPDP RKNVNLGVGAY RTDDCHPWVL PVKKVEQKI ANDNSLNHEY LPILGLAEFR SCASRLALGD DSPALKEKRV GGQSLGGTG ALRIGADFLA RWYNGTNNKN TPVYVSSPTW ENHNAVFSAA GFKDIRSYRY WDAEKRGLDL QGFLNDLENA PEFSIVVLHA CAHNPTGIDP TPEQWKQIAS VMKHRFLFPF FDSAYQGFAS GNLERDAWAI RYFVSEGFEEF FCAQSFSKNF GLYNERVGNL TVVGKEPESI LQVLSQMEKI VRITWSNPPA QGARIVASTL SNPELFEWT GNVKTMADRI LTMRELRAR LEALKTPGTW NHITDQIGMF SFTGLNPKQV EYLVNEKHIY LLPSGRINVS GLTTKNLDYV ATSIHEAVTK IQLEHHHHHH
Characteristics:	Recombinant Human Glutamate Oxaloacetate Transaminase 1/GOT1 is produced with our E. coli expression system. The target protein is expressed with sequence (Ala2-Leu414) of Human GOT1.
Purity:	> 95 % as determined by reducing SDS-PAGE.

Product Details

Sterility:	0.2 µm filtered
Endotoxin Level:	Less than 0.1 ng/µg (1 IEU/µg) as determined by LAL test

Target Details

Target:	GOT1
Alternative Name:	Glutamate Oxaloacetate Transaminase 1/GOT1 (GOT1 Products)
Background:	<p>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.</p> <p>Alternative Names: Aspartate Aminotransferase Cytoplasmic, Glutamate Oxaloacetate Transaminase 1, Transaminase A, GOT1</p>
Molecular Weight:	47.31 kDa
UniProt:	P17174
Pathways:	Hepatitis C , Monocarboxylic Acid Catabolic Process , Methionine Biosynthetic Process

Application Details

Restrictions:	For Research Use only
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Handling

Format:	Liquid
Reconstitution:	<p>It is not recommended to reconstitute to a concentration less than 100 µg/mL.</p> <p>Dissolve the lyophilized protein in ddH₂O.</p> <p>Please aliquot the reconstituted solution to minimize freeze-thaw cycles.</p>
Buffer:	Supplied as a 0.2 µm filtered solution of 20 mM TrisHCl, 100 mM NaCl, 2 mM DTT, 20 % Glycerol, pH 7.5.
Preservative:	Dithiothreitol (DTT)
Precaution of Use:	This product contains Dithiothreitol (DTT): a POISONOUS AND HAZARDOUS SUBSTANCE which should be handled by trained staff only.

Handling

Handling Advice: Always centrifuge tubes before opening. Do not mix by vortex or pipetting.

Storage: -80 °C

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

Expiry Date: 6 months