Recombinant Human GPT2 Protein, MYC/DDK-tagged

Cat. No. GPT2-2235H **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant human GPT2 protein, fused to MYC/DDK-tagged at C-terminus, was expressed in HEK293
Species	Human
Source	HEK293
Description	This gene encodes a mitochondrial alanine transaminase, a pyridoxal enzyme that catalyzes the reversible transamination between alanine and 2-oxoglutarate to generate pyruvate and glutamate. Alanine transaminases play roles in gluconeogenesis and amino acid metabolism in many tissues including skeletal muscle, kidney, and liver. Activating transcription factor 4 upregulates this gene under metabolic stress conditions in hepatocyte cell lines. A loss of function mutation in this gene has been associated with developmental encephalopathy. Alternative splicing results in multiple transcript variants. [provided by RefSeq, Apr 2015]
Form	25 mM Tris.HCl, pH 7.3, 100 mM glycine, 10% glycerol.
Molecular Mass	57.7 kDa
Purity	> 80% as determined by SDS-PAGE and Coomassie blue staining
Concentration	>50 ug/mL as determined by microplate BCA method

GENE INFORMATION

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Gene Name	GPT2 glutamic pyruvate transaminase (alanine aminotransferase) 2 [Homo sapiens]
Official Symbol	GPT2
Synonyms	ALT2
Gene ID	84706
mRNA Refseq	NM_001142466
Protein Refseq	NP_001135938
MIM	138210
UniProt ID	Q8TD30

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