Recombinant Human CCBL1 293 Cell Lysate

Cat. No. CCBL1-7796HCL **Lot. No.** (See product label)

SPECIFICATION

Product Overview	
Species	Human
Source	HEK293
Description	Antigen standard for cysteine conjugate-beta lyase, cytoplasmic (CCBL1), transcript variant 1 is a lysate prepared from HEK293T cells transiently transfected with a TrueORF gene-carrying pCMV plasmid and then lysed in RIPA Buffer. Protein concentration was determined using a colorimetric assay. The antigen control carries a C-terminal Myc/DDK tag for detection.
Components	This product includes 3 vials: 1 vial of gene-specific cell lysate, 1 vial of control vector cell lysate, and 1 vial of loading buffer. Each lysate vial contains 0.1 mg lysate in 0.1 ml (1 mg/ml) of RIPA Buffer (50 mM Tris-HCl pH7.5, 250 mM NaCl, 5 mM EDTA, 50 mM NaF, 1% NP40). The loading buffer vial contains 0.5 ml 2X SDS Loading Buffer (125 mM Tris-Cl, pH6.8, 10% glycerol, 4% SDS, 0.002% Bromophenol blue, 5% beta-mercaptoethanol).
Size	0.1 mg
Storage Instruction	Store at -80°C. Minimize freeze-thaw cycles. After addition of 2X SDS Loading Buffer, the lysates can be stored at -20°C. Product is guaranteed 6 months from the date of shipment.

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Applications	ELISA, WB, IP. WB: Mix equal volume of lysates with 2X SDS Loading Buffer. Boil the mixture for 10 min before loading (for membrane protein lysates, incubate the mixture at room temperature for 30 min). Load 5 ug lysate per lane.

GENE INFORMATION

Gene Name	CCBL1 cysteine conjugate-beta lyase, cytoplasmic [Homo sapiens]
Official Symbol	CCBL1
Synonyms	CCBL1; cysteine conjugate-beta lyase, cytoplasmic; cysteine conjugate beta lyase; cytoplasmic (glutamine transaminase K, kyneurenine aminotransferase); kynurenine--oxoglutarate transaminase 1; glutamine transaminase K; GTK; KATI; kyneurenine aminotransferase; beta-lysase, kidney; kynurenine aminotransferase I; cysteine-S-conjugate beta-lyase; glutamine--phenylpyruvate transaminase; kynurenine--oxoglutarate transaminase I; glutamine-phenylpyruvate aminotransferase; cysteine conjugate-beta lyase; cytoplasmic (glutamine transaminase K, kyneurenine aminotransferase); KAT1; FLJ95217; MGC29624;
Gene ID	883
mRNA Refseq	NM_001122671
Protein Refseq	NP_001116143
MIM	600547
UniProt ID	Q16773
Chromosome Location	9q34.11

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Pathway	Amino acid synthesis and interconversion (transamination), organism-specific biosystem; Metabolic pathways, organism-specific biosystem; Metabolism, organism-specific biosystem; Metabolism of amino acids and derivatives, organism-specific biosystem; Phenylalanine and tyrosine catabolism, organism-specific biosystem; Selenocompound metabolism, organism-specific biosystem; Selenocompound metabolism, conserved biosystem;
Function	1-aminocyclopropane-1-carboxylate synthase activity; L-glutamine:pyruvate aminotransferase activity; L-phenylalanine:pyruvate aminotransferase activity; cysteine-S-conjugate beta-lyase activity; glutamine-phenylpyruvate transaminase activity; kynurenine-oxoglutarate transaminase activity; kynurenine-oxoglutarate transaminase activity; lyase activity; protein homodimerization activity; pyridoxal phosphate binding; transaminase activity; transferase activity, transferring nitrogenous groups;

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