Recombinant Human CITED1 293 Cell Lysate

Cat. No. CITED1-7487HCL **Lot. No.** (See product label)

SPECIFICATION

Product Overview	
Species	Human
Source	HEK293
Description	Antigen standard for Cbp/p300-interacting transactivator, with Glu/Asp-rich carboxy-terminal domain, 1 (CITED1), 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.

Tel: 1-631-559-9269 1-516-512-3133
Email: info@creative-biomart.com Fax: 1-631-938-8127
45-1 Ramsey Road, Shirley, NY 11967, USA

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	CITED1 Cbp/p300-interacting transactivator, with Glu/Asp-rich carboxy-terminal domain, 1 [Homo sapiens]
Official Symbol	CITED1
Synonyms	CITED1; Cbp/p300-interacting transactivator, with Glu/Asp-rich carboxy-terminal domain, 1; MSG1; cbp/p300-interacting transactivator 1; melanocyte-specific gene 1; melanocyte-specific protein 1;
Gene ID	4435
mRNA Refseq	NM_001144885
Protein Refseq	NP_001138357
MIM	300149
UniProt ID	Q99966
Chromosome Location	Xq13.1
Pathway	Regulation of nuclear SMAD2/3 signaling, organism-specific biosystem; TGF-beta Receptor Signaling Pathway, organism-specific biosystem;

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Function	LBD domain binding; chromatin binding; co-SMAD binding; protein C-terminus binding; protein binding; protein homodimerization activity; sequence-specific DNA binding transcription factor activity; transcription coactivator activity; transcription regulatory region DNA binding;

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