

Recombinant Human ANKRD1 293 Cell Lysate

Cat. No. ANKRD1-8858HCL **Lot. No.** (See product label)

SPECIFICATION

Product Overview

Species	Human
Source	HEK293
Description	Antigen standard for ankyrin repeat domain 1 (cardiac muscle) (ANKRD1) 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	ANKRD1 ankyrin repeat domain 1 (cardiac muscle) [Homo sapiens]
Official Symbol	ANKRD1
Synonyms	ANKRD1; ankyrin repeat domain 1 (cardiac muscle); ankyrin repeat domain-containing protein 1; ALRP; C 193; CARP; CVARP; MCARP; liver ankyrin repeat domain 1; cardiac ankyrin repeat protein; cytokine-inducible nuclear protein; cytokine-inducible gene C-193 protein; C-193; bA320F15.2;
Gene ID	27063
mRNA Refseq	NM_014391
Protein Refseq	NP_055206
MIM	609599
UniProt ID	Q15327
Chromosome Location	10q23.33
Pathway	Fatty acid, triacylglycerol, and ketone body metabolism, organism-specific biosystem; Hypertrophy Model, organism-specific biosystem; Metabolism, organism-specific biosystem; Metabolism of lipids and lipoproteins, organism-specific biosystem;

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PPARA Activates Gene Expression, organism-specific biosystem; Regulation of Lipid Metabolism by Peroxisome proliferator-activated receptor alpha (PPARalpha), organism-specific biosystem;

Function

DNA binding; R-SMAD binding; RNA polymerase II transcription coactivator activity; RNA polymerase II transcription factor binding; histone deacetylase binding; p53 binding; protein binding; titin binding; transcription corepressor activity;

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