

Recombinant Human CAV1 293 Cell Lysate

Cat. No. CAV1-7822HCL **Lot. No.** (See product label)

SPECIFICATION

Product Overview

Species	Human
Source	HEK293
Description	Antigen standard for caveolin 1, caveolae protein, 22kDa (CAV1) 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

CAV1 caveolin 1, caveolae protein, 22kDa [Homo sapiens]

Official Symbol

CAV1

Synonyms

CAV1; caveolin 1, caveolae protein, 22kDa; CAV, caveolin 1, caveolae protein, 22kD; caveolin-1; cell growth-inhibiting protein 32; CGL3; BSCL3; VIP21; MSTP085;

Gene ID

857

mRNA Refseq

NM_001172895

Protein Refseq

NP_001166366

MIM

601047

UniProt ID

Q03135

Chromosome Location

7q31

Pathway

ALK1 signaling events, organism-specific biosystem; Androgen Receptor Signaling Pathway, organism-specific biosystem; Bacterial invasion of epithelial cells, organism-specific biosystem; Bacterial invasion of epithelial cells, conserved biosystem; Basigin interactions, organism-specific biosystem; Canonical Wnt signaling pathway, organism-specific biosystem; Cell surface interactions at the vascular wall, organism-

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specific biosystem;

Function

cholesterol binding; kinase binding; nitric-oxide synthase binding; patched binding; peptidase activator activity; protein binding; protein complex scaffold; receptor binding; structural molecule activity; syntaxin binding;

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