

Recombinant Human CTNNA2 293 Cell Lysate

Cat. No. CTNNA2-7202HCL **Lot. No.** (See product label)

SPECIFICATION

Product Overview

Species	Human
Source	HEK293
Description	Antigen standard for catenin (cadherin-associated protein), alpha 2 (CTNNA2), 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

CTNNA2 catenin (cadherin-associated protein), alpha 2 [Homo sapiens]

Official Symbol

CTNNA2

Synonyms

CTNNA2; catenin (cadherin-associated protein), alpha 2; catenin alpha-2; cadherin associated protein; related; cancer/testis antigen 114; CAP R; CT114; alpha N-catenin; alpha-N-catenin; alpha-catenin-related protein; cadherin-associated protein, related; CAPR; CTNR; CAP-R; DKFZp686H02198;

Gene ID

1496

mRNA Refseq

NM_001164883

Protein Refseq

NP_001158355

MIM

114025

UniProt ID

P26232

Chromosome Location

2p12-p11.1

Pathway

Adherens junction, organism-specific biosystem; Adherens junction, conserved biosystem; Arrhythmogenic right ventricular cardiomyopathy (ARVC), organism-specific biosystem; Arrhythmogenic right ventricular cardiomyopathy (ARVC),

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conserved biosystem; Bacterial invasion of epithelial cells, organism-specific biosystem; Bacterial invasion of epithelial cells, conserved biosystem; CDO in myogenesis, organism-specific biosystem;

Function

cadherin binding; protein binding; structural constituent of cytoskeleton;

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