

Recombinant Human CASP4 293 Cell Lysate

Cat. No. CASP4-7837HCL **Lot. No.** (See product label)

SPECIFICATION

Product Overview

Species	Human
Source	HEK293
Description	Antigen standard for caspase 4, apoptosis-related cysteine peptidase (CASP4), transcript variant gamma 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

[CASP4 caspase 4, apoptosis-related cysteine peptidase \[Homo sapiens \]](#)

Official Symbol

CASP4

Synonyms

CASP4; caspase 4, apoptosis-related cysteine peptidase; caspase 4, apoptosis related cysteine protease; caspase-4; ICE(rel)II; ICH 2; TX; CASP-4; ICE(rel)-II; protease TX; protease ICH-2; apoptotic cysteine protease Mih1/TX; caspase 4, apoptosis-related cysteine protease; ICH-2; Mih1/TX; ICEREL-II;

Gene ID

[837](#)

mRNA Refseq

[NM_033306](#)

Protein Refseq

[NP_150649](#)

MIM

[602664](#)

UniProt ID

[P49662](#)

Chromosome Location

11q22.2-q22.3

Pathway

Apoptosis, organism-specific biosystem; Caspase cascade in apoptosis, organism-specific biosystem; Immune System, organism-specific biosystem; Innate Immune System, organism-specific biosystem; NOD1/2 Signaling Pathway, organism-specific

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biosystem; Nucleotide-binding domain, leucine rich repeat containing receptor (NLR)
signaling pathways, organism-specific biosystem;

Function

cysteine-type endopeptidase activity; peptidase activity;

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