

Recombinant Human CASP4 293 Cell Lysate

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

SPECIFICATION

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.
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

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

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Function

cysteine-type endopeptidase activity; peptidase activity;

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