

Recombinant Human CASP8 293 Cell Lysate

Cat. No. CASP8-7829HCL **Lot. No.** (See product label)

SPECIFICATION

Species	Human
Source	HEK293
Description	Antigen standard for caspase 8, apoptosis-related cysteine peptidase (CASP8), transcript variant E 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	CASP8 caspase 8, apoptosis-related cysteine peptidase [Homo sapiens]
Official Symbol	CASP8
Synonyms	CASP8; caspase 8, apoptosis-related cysteine peptidase; caspase 8, apoptosis related cysteine protease; caspase-8; Casp 8; FLICE; MACH; MCH5; FADD-like ICE; MACH-alpha-1/2/3 protein; apoptotic protease Mch-5; MACH-beta-1/2/3/4 protein; apoptotic cysteine protease; ICE-like apoptotic protease 5; MORT1-associated ced-3 homolog; FADD-homologous ICE/CED-3-like protease; caspase 8, apoptosis-related cysteine protease; CAP4; ALPS2B; Casp-8; FLJ17672; MGC78473;
Gene ID	841
mRNA Refseq	NM_033358
Protein Refseq	NP_203522
MIM	601763
UniProt ID	Q14790
Chromosome Location	2q33-q34
Pathway	Activation of Pro-Caspase 8, organism-specific biosystem; Activation, myristoylation of BID and translocation to mitochondria, organism-specific biosystem; Alzheimers disease, organism-specific biosystem; Alzheimers disease, conserved biosystem;

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Androgen Receptor Signaling Pathway, organism-specific biosystem; Apoptosis, organism-specific biosystem; Apoptosis, organism-specific biosystem;

Function

cysteine-type endopeptidase activity; cysteine-type endopeptidase activity; cysteine-type peptidase activity; identical protein binding; peptidase activity; protein binding; tumor necrosis factor receptor binding;

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