

Recombinant Human CASP9 293 Cell Lysate

Cat. No. CASP9-7828HCL Lot. No. (See product label)

SPECIFICATION

| | |
|----------------------------|---|
| Species | Human |
| Source | HEK293 |
| Description | Antigen standard for caspase 9, apoptosis-related cysteine peptidase (CASP9), transcript variant beta 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 | CASP9 caspase 9, apoptosis-related cysteine peptidase [Homo sapiens] |
| Official Symbol | CASP9 |
| Synonyms | CASP9; caspase 9, apoptosis-related cysteine peptidase; caspase 9, apoptosis related cysteine protease; caspase-9; APAF 3; ICE LAP6; MCH6; PPP1R56; protein phosphatase 1; regulatory subunit 56; apoptotic protease MCH-6; ICE-like apoptotic protease 6; apoptotic protease activating factor 3; protein phosphatase 1, regulatory subunit 56; APAF3; APAF-3; ICE-LAP6; CASPASE-9c; |
| Gene ID | 842 |
| mRNA Refseq | NM_001229 |
| Protein Refseq | NP_001220 |
| MIM | 602234 |
| UniProt ID | P55211 |
| Chromosome Location | 1p36.21 |
| Pathway | AKT phosphorylates targets in the cytosol, organism-specific biosystem; Activation of caspases through apoptosome-mediated cleavage, organism-specific biosystem; Adaptive Immune System, organism-specific biosystem; Alzheimers disease, organism-specific biosystem; Alzheimers disease, conserved biosystem; Amyotrophic |

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lateral sclerosis (ALS), organism-specific biosystem; Amyotrophic lateral sclerosis (ALS), conserved biosystem;

Function

cysteine-type endopeptidase activity; enzyme activator activity; peptidase activity; protein binding;

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