

Recombinant Human PPM1J 293 Cell Lysate

Cat. No. PPM1J-2958HCL Lot. No. (See product label)

SPECIFICATION

| | |
|----------------------------|---|
| Species | Human |
| Source | HEK293 |
| Description | Antigen standard for protein phosphatase 1J (PP2C domain containing) (PPM1J) 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

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|----------------------------|---|
| Gene Name | PPM1J protein phosphatase, Mg ²⁺ /Mn ²⁺ dependent, 1J [Homo sapiens] |
| Official Symbol | PPM1J |
| Synonyms | PPM1J; protein phosphatase, Mg ²⁺ /Mn ²⁺ dependent, 1J; protein phosphatase 1J (PP2C domain containing); protein phosphatase 1J; DKFZp434P1514; FLJ35951; MGC19531; PP2Czeta; PPP2CZ; protein phosphatase 2C zeta; PP2C-zeta; protein phosphatase 2C isoform zeta; protein phosphatase 2a, catalytic subunit, zeta isoform; PP2CZ; MGC90149; RP11-426L16.5; |
| Gene ID | 333926 |
| mRNA Refseq | NM_005167 |
| Protein Refseq | NP_005158 |
| MIM | 609957 |
| UniProt ID | Q5JR12 |
| Chromosome Location | 1p13.1 |
| Pathway | Direct p53 effectors, organism-specific biosystem; |
| Function | hydrolase activity; protein serine/threonine phosphatase activity; |

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