# Recombinant Human PPP2R2B 293 Cell Lysate

**Cat. No.** PPP2R2B-2923HCL **Lot. No.** (See product label)

## SPECIFICATION

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| **Species** | Human |
| **Source** | HEK293 |
| **Description** | Antigen standard for protein phosphatase 2 (formerly 2A), regulatory subunit B, beta isoform (PPP2R2B), transcript variant 3 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** | PPP2R2B protein phosphatase 2, regulatory subunit B, beta [ Homo sapiens ] |
| **Official Symbol** | PPP2R2B |
| **Synonyms** | PPP2R2B; protein phosphatase 2, regulatory subunit B, beta; protein phosphatase 2 (formerly 2A), regulatory subunit B (PR 52), beta isoform , protein phosphatase 2 (formerly 2A), regulatory subunit B, beta isoform , SCA12, spinocerebellar ataxia 12; serine/threonine-protein phosphatase 2A 55 kDa regulatory subunit B beta isoform; PP2A subunit B isoform beta; PR52B; PR55 BETA; PP2A subunit B isoform R2-beta; PP2A subunit B isoform B55-beta; PP2A, subunit B, B-beta isoform; PP2A subunit B isoform PR55-beta; serine/threonine protein phosphatase 2A, neuronal isoform; protein phosphatase 2 (formerly 2A), regulatory subunit B, beta isoform; protein phosphatase 2 (formerly 2A), regulatory subunit B (PR 52), beta isoform; serine/threonine protein phosphatase 2A, 55 kDa regulatory subunit B, beta isoform; SCA12; B55BETA; PR55BETA; PP2ABBETA; PP2APR55B; PR2ABBETA; PR55-BETA; PP2AB55BETA; PR2AB55BETA; PP2APR55BETA; PR2APR55BETA; FLJ95686; MGC24888; |
| **Gene ID** | 5521 |
| **mRNA Refseq** | NM_001127381 |
| **Protein Refseq** | NP_001120853 |
| **MIM** | 604325 |
| **UniProt ID** | Q00005 |

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| **Chromosome Location** | 5q32 |
| **Pathway** | Chagas disease (American trypanosomiasis), organism-specific biosystem; Chagas disease (American trypanosomiasis), conserved biosystem; Dopaminergic synapse, organism-specific biosystem; Dopaminergic synapse, conserved biosystem; Glycogen Metabolism, organism-specific biosystem; Hepatitis C, organism-specific biosystem; Hepatitis C, conserved biosystem; |
| **Function** | protein binding; protein phosphatase type 2A regulator activity; |

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