

Recombinant Human PPM1K Protein, Myc/DDK-tagged, C13 and N15-labeled

Cat. No. PPM1K-3245H **Lot. No.** (See product label)

SPECIFICATION

Product Overview	PPM1K MS Standard C13 and N15-labeled recombinant protein (NP_689755) with a C-terminal MYC/DDK tag, was expressed in HEK293 cells.
Species	Human
Source	HEK293
Description	This gene encodes a member of the PPM family of Mn ²⁺ /Mg ²⁺ -dependent protein phosphatases. The encoded protein, essential for cell survival and development, is targeted to the mitochondria where it plays a key role in regulation of the mitochondrial permeability transition pore.
Molecular Mass	41 kDa
AA Sequence	MSTAALITLVRSGGNQVRRRVLLSSRLLQDDRRVTPTCHSSTSEPRCSRFDPDGSG SPATWDNFGIWDNRIDEPIILLPPSIKYGKPIPKISLEKVGCASQIGKRKENEDRFDFAQ LTDEVLYFAVYDGHGGPAAADFCHTHMEKCIDLLPKEKNLETLTTLAFLEIDKAFSS HARLSADATLLTSGTTATVALLRDGIELVVASVGDSRAILCRKGKPMKLTIDHTPERK DEKERIKKCGGFVAWNSLGQPHVNGRLAMTRSIGDLDLKTSGVIAEPETKRIKLHHA DDSFLVLTTDGINFMVNSQEICDFVNQCHDPNEAAHAVTEQAIQYGTEDNSTAVVVP FGAWGKYKNSEINFSSFSRSFASSGRWATRTRPLEQKLISEEDLAANDILDYKDDDDK V
Purity	> 80% as determined by SDS-PAGE and Coomassie blue staining

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Stability	Stable for 3 months from receipt of products under proper storage and handling conditions.
Storage	Store at -80 centigrade. Avoid repeated freeze-thaw cycles.
Concentration	50 µg/mL as determined by BCA
Storage Buffer	100 mM glycine, 25 mM Tris-HCl, pH 7.3.
GENE INFORMATION	
Gene Name	PPM1K protein phosphatase, Mg ²⁺ /Mn ²⁺ dependent 1K [Homo sapiens (human)]
Official Symbol	PPM1K
Synonyms	PPM1K; protein phosphatase, Mg ²⁺ /Mn ²⁺ dependent, 1K; protein phosphatase 1K (PP2C domain containing); protein phosphatase 1K, mitochondrial; BDP; branched chain α ketoacid dehydrogenase phosphatase; DKFZp761G058; hPTMP; PP2C type mitochondrial phosphoprotein phosphatase; PP2Ckappa; PP2Cm; protein phosphatase 2C kappa; PP2C-kappa; PP2C-like protein; PP2C-like mitochondrial protein; PP2C type mitochondrial phosphatase; protein phosphatase 2C isoform kappa; PP2C domain-containing protein phosphatase 1K; PP2C-type mitochondrial phosphoprotein phosphatase; branched-chain and #945; -ketoacid dehydrogenase phosphatase; PTMP; UG0882E07; DKFZp667B084;
Gene ID	152926
mRNA Refseq	NM_152542
Protein Refseq	NP_689755

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MIM 611065

UniProt ID Q8N3J5

SDS-PAGE



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