

Recombinant Human PPP1R12B Protein, Myc/DDK-tagged, C13 and N15-labeled

Cat. No. PPP1R12B-5145H **Lot. No.** (See product label)

SPECIFICATION

Product Overview	PPP1R12B MS Standard C13 and N15-labeled recombinant protein (NP_115287) with a C-terminal MYC/DDK tag, was expressed in HEK293 cells.
Species	Human
Source	HEK293
Description	Myosin phosphatase is a protein complex comprised of three subunits: a catalytic subunit (PP1c-delta, protein phosphatase 1, catalytic subunit delta), a large regulatory subunit (MYPT, myosin phosphatase target) and small regulatory subunit (sm-M20). Two isoforms of MYPT have been isolated--MYPT1 and MYPT2, the first of which is widely expressed, and the second of which may be specific to heart, skeletal muscle, and brain. Each of the MYPT isoforms functions to bind PP1c-delta and increase phosphatase activity. This locus encodes both MYTP2 and M20. Alternatively spliced transcript variants encoding different isoforms have been identified. Related pseudogenes have been defined on the Y chromosome.
Molecular Mass	26.1 kDa
AA Sequence	MDKNENEEADLDEQSSKRLSIRERRRRPKERRRRGTGINFWTKDEDETDGSEEVKET WHERLSRLESGGSNPTTSDSYGDRASARARREAREARLATLTSRVEEDSNRDYKK LYESALTENQKLKTKLQEAQLELADIKSKLEKVAQQKQEKTSRSSVLEMEKRERRA LERKMSEMEEMKNLHQLKQIQTLKQMNEQLQAENRALTRVVARLSESISSDTQE

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	LTRTRPLEQKLISEEDLAANDILDYKDDDDKV
Purity	> 80% as determined by SDS-PAGE and Coomassie blue staining
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	PPP1R12B protein phosphatase 1 regulatory subunit 12B [Homo sapiens (human)]
Official Symbol	PPP1R12B
Synonyms	PPP1R12B; protein phosphatase 1 regulatory subunit 12B; MYPT2; PP1bp55; protein phosphatase 1 regulatory subunit 12B; myosin phosphatase target subunit 2; myosin phosphatase-targeting subunit 2; protein phosphatase 1, regulatory (inhibitor) subunit 12B; EC 3.1.3.53
Gene ID	4660
mRNA Refseq	NM_032104
Protein Refseq	NP_115287
MIM	603768

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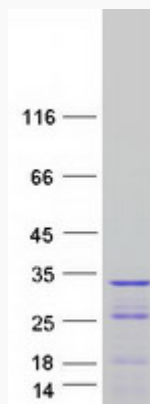
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UniProt ID

O60237

SDS-PAGE

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