Recombinant human PPP1R2, His-tagged

Cat. No. PPP1R2-2438H **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant human PPP1R2 protein, fused to His-tag at N-terminus, was expressed in E.coli and purified by using conventional chromatography techniques.
Species	Human
Source	E.coli
Description	PPP1R2 is an inhibitor of protein-phosphatase 1 and forms heterodimer with PP1. Phosphorylation on Thr-73 by GSK3 activates PP1 by dissociating the PP1-PPP1R2 complex. Phosphorylation on Ser-44 by ATM activates PP1 by dissociating the PP1-PPP1R2 complex.
Form	Liquid. In 20mM Tris-HCl(pH8.0) containing 30% glycerol, 0.15M NaCl, 1mM DTT
Molecular Mass	21kDa (189aa), confirmed by MALDI-TOF
AA Sequence	MGSSHHHHHH SSGLVPRGSH MGSMAASTAS HRPIKGILKN KTSTTSSMVA SAEQPRGNVD EELSKKSQKW DEMNILATYH PADKDYGLMKIDEPSTPYHS MMGDDEDACS DTEATEAMAP DILARKLAAA EGLEPKYRIQ EQESSGEEDS DLSPEEREKK RQFEMKRKLH YNEGLNIKLA RQLISKDLH
Purity	>85% by SDS - PAGE
Applications	SDS-PAGE

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Storage	Can be stored at +4C short term (1-2 weeks). For long term storage, aliquot and store at -20C or -70C. Avoid repeated freezing and thawing cycles.
Concentration	0.25 mg/ml (determined by Bradford assay)

GENE INFORMATION

Gene Name	PPP1R2 protein phosphatase 1, regulatory (inhibitor) subunit 2 [Homo sapiens]
Official Symbol	PPP1R2
Synonyms	PPP1R2; protein phosphatase 1, regulatory (inhibitor) subunit 2; protein phosphatase inhibitor 2; IPP2; phosphatase inhibitor 2; phosphoprotein phosphatase; IPP-2; MGC87148;
Gene ID	5504
mRNA Refseq	NM_006241
Protein Refseq	NP_006232
MIM	601792
UniProt ID	P41236
Chromosome Location	3q29
Function	protein binding; protein serine/threonine phosphatase inhibitor activity;

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