Recombinant Human protein phosphatase 1, regulatory (inhibitor) subunit 11, His-tagged

Cat. No. PPP1R11-219H **Lot. No.** (See product label)

SPECIFICATION

Product Overview	PPP1R11, 1-126aa, Human, His tag, E.coli
Species	Human
Source	E.coli
ProteinLength	1-126 a.a.
Description	Protein phosphatase 1 regulatory subunit 11, also known as PPP1R11, is a 126 amino acid protein that is expressed in a variety of both adult and fetal tissues. PPP1R11 functions as an inhibitor of PP1 (protein phosphatase 1), specifically exhibiting a sensitivity toward the metal-independent and metal-dependent forms of PP1. Deletion of a portion of the q arm of chromosome 6 is associated with early onset intestinal cancer, suggesting the presence of a cancer susceptibility locus. Recombinant human PPP1R11 protein, fused to His-tag at N-terminus, was expressed in E.coli and purified by using conventional chromatography techniques.
Form	Liquid. In 20mM Tris-HCl buffer (pH 8.0) containing 0.2M NaCl, 20% glycerol, 1mM DTT
Molecular Mass	16.3kDa (149aa), confirmed by MALDI-TOF(Molecular size on SDS-PAGE will appear higher)
AA Sequence	MGSSHHHHHH SSGLVPRGSH MGSMAEAGAG LSETVTETTV TVTTEPENRS

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	LTIKLRKRKP EKKVEWTSDT VDNEHMGRRS SKCCCIYEKP RAFGESSTES DEEEEEGCGH THCVRGHRKG RRRATLGPTP TTPPQPPDPS QPPPGPMQH
Purity	>90% by SDS - PAGE
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	0.25mg/ml (determined by Bradford assay)

GENE INFORMATION

Gene Name	PPP1R11?protein phosphatase 1, regulatory (inhibitor) subunit 11 [?Homo sapiens?(human)]
Official Symbol	PPP1R11
Synonyms	PPP1R11; HCGV; IPP3; HCG-V; TCTE5; TCTEX5; protein phosphatase 1, regulatory (inhibitor) subunit 11; protein phosphatase 1 regulatory subunit 11; HCG V; inhibitor-3; protein phosphatase inhibitor 3; t-complex-associated-testis-expressed 5; hemochromatosis candidate gene V protein; protein phosphatase 1, regulatory (inhibitor) subunit 11, isoform 1; NP_068778.1; EC 3.1.3.16
Gene ID	6992
mRNA Refseq	NM_021959
Protein Refseq	NP_068778
MIM	606670

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UniProt ID	O60927
Chromosome Location	6p21.3
Function	protein binding; protein phosphatase inhibitor activity

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