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## Recombinant human IPP-3/PPP1R11 protein

Catalog Number: ATGP2173

#### PRODUCT INFORMATION

## **Expression system**

E.coli

#### **Domain**

1-126aa

### **UniProt No.**

060927

#### **NCBI Accession No.**

NP 068778

#### **Alternative Names**

Protein phosphatase 1 regulatory inhibitor subunit 11, E3 ubiquitin-protein ligase PPP1R11, Hemochromatosis candidate gene V protein, HCG V, Protein phosphatase 1 regulatory subunit 11, Protein phosphatase inhibitor 3, TCTE5, Tctex5, CFAP255

## **PRODUCT SPECIFICATION**

## **Molecular Weight**

16.3 kDa (149aa) confirmed by MALDI-TOF (Molecular weight on SDS-PAGE will appear higher)

#### Concentration

0.25mg/ml (determined by Bradford assay)

#### **Formulation**

Liquid in. 20mM Tris-HCl buffer (pH 8.0) containing 0.2M NaCl, 20% glycerol, 1mM DTT

### **Purity**

> 90% by SDS-PAGE

## Tag

His-Tag

## **Application**

SDS-PAGE

## **Storage Condition**

Can be stored at +2C to +8C for 1 week. For long term storage, aliquot and store at -20C to -80C. Avoid repeated freezing and thawing cycles.

## **BACKGROUND**

## **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,



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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.

## **Amino acid Sequence**

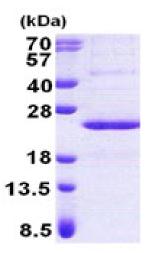
MGSSHHHHHH SSGLVPRGSH MGSMAEAGAG LSETVTETTV TVTTEPENRS LTIKLRKRKP EKKVEWTSDT VDNEHMGRRS SKCCCIYEKP RAFGESSTES DEEEEEGCGH THCVRGHRKG RRRATLGPTP TTPPQPPDPS QPPPGPMQH

#### **General References**

Giffon T., et al. (1996) Immunogenrtics. 44:331-339 Zhang J., et al. (1998) Biochemistry. 37:16728-16734.

### **DATA**

#### **SDS-PAGE**



15% SDS-PAGE (3ug)

3ug by SDS-PAGE under reducing condition and visualized by coomassie blue stain.

