Recombinant human IPP-3/PPP1R11 protein

Catalog Number: ATGP2173

PRODUCT INFORMATION

Expression system
E.coli

Domain
1-126aa

UniProt No.
O60927

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

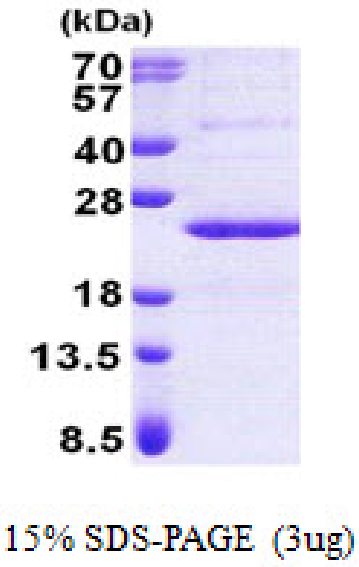
MGSSHHHHHH SSGLVPRGSH MGSMAEAGAG LSETVTETTV TVTTEPENRS LTIKLRKRKP EKKVEWTSDT VDNEHMGRRS SKCCCIYEKP RAFGESSTES DEEEEEGCGH THCVRGHRKG RRRATLGPTP TTPPQPPDPS QPPPGPMQH

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.