Recombinant human NUDT21/CPSF5 protein

Catalog Number: ATGP0935

PRODUCT INFORMATION

Expression system
E.coli

Domain
1-227aa

UniProt No.
O43809

NCBI Accession No.
NP_008937

Alternative Names
Nudix hydrolase 21, Cleavage and polyadenylation specificity factor subunit 5, Cleavage and polyadenylation specificity factor 25 kDa subunit, CPSF 25 kDa subunit, Cleavage factor Im complex 25 kDa subunit nudix-type motif 21, CFIM25, Cleavage factor Im complex 25 kDa subunit, Nucleoside diphosphate-linked moiety X motif 21, Nudix motif 21, Pre-mRNA cleavage factor Im 68 kDa subunit, CPSF25

PRODUCT SPECIFICATION

Molecular Weight
28.3 kDa (247aa) confirmed by MALDI-TOF

Concentration
1mg/ml (determined by Bradford assay)

Formulation
Liquid in. 20mM Tris-HCl buffer (pH 8.0) containing 0.2M NaCl, 2mM DTT, 20% glycerol

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
NuDT21, also known as CPSF5 or CFIm25, is a member of the Nudix hydrolase family of pyrophosphatases. This protein localizes to the paraspeckles and forms a heterodimer with CPSF6 or CPSF7 to comprise the CFIm (mammalian cleavage factor I) complex. NuDT21 is the smaller subunit of the complex and is present in all

Recombinant human NUDT21/CPSF5 protein

Catalog Number: ATGP0935

heterodimer combinations. NuDT21 plays an important role in pre-mRNA 3' cleavage and polyadenylation processing. Recombinant human NuDT21 protein, fused to His-tag at N-terminus, was expressed in E. coli and purified by using conventional chromatography techniques.

Amino acid Sequence

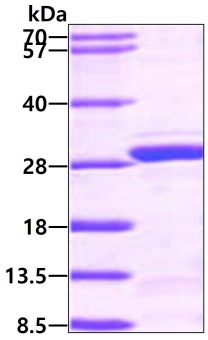
<MGSSHHHHHH SSGLVPRGSH> MSVVPPNRSQ TGWPRGVTQF GNKYIQQTKP LTLERTINLY PLTNYTFGTK EPLYEKDSSV AARFQRMREE FDKIGMRRTV EGVLIVHEHR LPHVLLLQLG TTFFKLPGGE LNPGEDEVEG LKRLMTEILG RQDGVLQDWV IDDCIGNWWR PNFEPPQYPY IPAHITKPKE HKKLFLVQLQ EKALFAVPKN YKLVAAPLFE LYDNAPGYGP IISSLPQLLS RFNFIYN

General References

Kim S., et al. (2010) Genes Cells. 15(9):1003-13.
Shimazu T., et al. (2007) J Biol Chem. 282(7):4470-8.

DATA

SDS-PAGE



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