

AR09875PU-N

Human CPSF5 (1-227, His-tag) - Purified

Alternate names:

CFIM25, CPSF25, Cleavage and polyadenylation specificity factor 25 kDa subunit, Cleavage and polyadenylation specificity factor subunit 5, NUDT21, Nucleoside diphosphate-linked moiety X motif 21, Nudix motif 21, Pre-mRNA cleavage factor Im 25 kDa subunit

Quantity:

0.1 mg

Background:

CPSF5, also called NUDT21, 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 heterodimer combinations. NUDT21 plays an important role in pre-mRNA 3' cleavage and polyadenylation processing.

Uniprot ID:

[O43809](#)

NCBI:

[NP_008937](#)

GenelD:

[11051](#)

Species:

Human

Source:

E. coli

Format:

State: Liquid purified protein

Purity: >90%

Buffer System: 20 mM Tris-HCl buffer (pH 8.0) containing 0.2M NaCl, 2mM DTT, 20% glycerol

Description:

Recombinant human NUDT21 protein, fused to His-tag at N-terminus, was expressed in E.coli and purified by using conventional chromatography techniques.

AA Sequence:

MGSSHHHHHH SSGLVPRGSH MSVPPNRSQ TGWPRGVTQF GNKYIQQTKP LTLERTINLY
PLTNYTFGTK EPLYEKDSSV AARFQRMREE FDKIGMRRTV EGVLI VHEHR LPHVLLQLG
TTFKLP GGE LNPGEDEVEG LKRLMTEILG RQDGV LQDWV IDDCIGNWWR PNFEPQYPY
IPAHITKPKE HKKLFLVQLQ EKALFAVPKN YKLVAAPLFE LYDNAPGYGP IISSLPQLLS
RFNFIYN

Molecular weight: 28.3 kDa (247aa), confirmed by MALDI-TOF

Storage:

Store undiluted at 2-8°C for up to two weeks or (in aliquots) at -20°C or -70°C for longer.

Avoid repeated freezing and thawing.

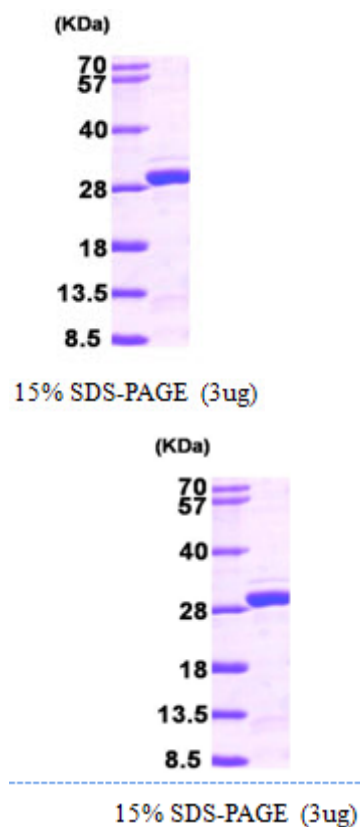
Shelf life: one year from despatch.

General Readings:

Kim S., et al. (2010) Genes Cells. 15(9):1003-13.

Shimazu T., et al. (2007) J Biol Chem. 282(7):4470-8.

Pictures:



Recombinant human NUDT21, 1-227 aa,
His-tagged