

Product information

NUDT21, 1-227 aa

Human, His-tagged, Recombinant, *E.coli*

Cat. No. IBATGP0935

Full Name: Nudix (nucleoside diphosphate linked moiety X)-type motif 21 **NCBI Accession No.:** NP_008937

Synonyms: CFIM25, CPSF5, DKFZp686H1588

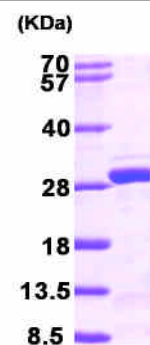
Description: NUDT21, also known as CPSF5 or CFIm25, is a member of the Nudix hydrolase family of pyrophosphatases. This protein localizes to the paraspeckles and forms a heterodimer with CPSF6 or CPSF7 to comprise the CFIm (mammalian cleavage factor I) complex. NUDT21 is the smaller subunit of the complex and is present in all 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.

Form: Liquid. In 20 mM Tris-HCl buffer (pH8.0) containing 0.2M NaCl,
2mM DTT, 20% glycerol

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

Purity: > 90% by SDS - PAGE

Concentration: 1 mg/ml (determined by Bradford assay)



15% SDS-PAGE (3ug)

Sequences of amino acids:

MGSSHHHHH SSGLVPRGSH MSVVPNRSQ TGWPRGVTQF GNKYIQQTKP LTLERTINLY PLTNYTFGTK EPLYEKDSSV AARFQRMREE
FDKIGMRRTV EGVLI VHEHR LPHVLLLQLG TFFFKLPGGE LNPGEDEV EG LKRLMTEILG RQDGLQDWV IDDCIGNWWR PNFEPQYYP
IPAHITKPKK HKKFLFLVQLQ EKALFAVPKN YKLVAAPLFE LYDNAPGYGP IISLQQLS 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.

Storage: Can be stored at +4°C short term (1-2 weeks). For long term storage, aliquot and store at -20°C or -70°C.
Avoid repeated freezing and thawing cycles.

For research use only. This product is not intended or approved for human, diagnostics or veterinary use.