

NUDT21, 1-227aa, Human, His tag, E.coli

Cat.NO.: TP03228

3th Edition

Synonyms:Nudix (nucleoside diphosphate linked moiety X)-type motif 21, 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.

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

Sequences:

MGSSHHHHHHSSGLVPRGSHMSVPPNRSQTGWPRGVTQFGNKYIQQTKPLTLERTINLYPLTNYTFGTKEPLYE
KDSSVAARFQRMREEFDKIGMRRTVEGVLIVHEHRLPHVLLLQLGTTFFKLPGGELNPGEDEVEGLKRLMTEILGR
QDGVLQDWVIDDCIGNWWRPNFEPQYPYIPAHITKPKEHKKLFLVQLQEALFAVPKNYKLVAAPLFELYDNAPG
YGPIISSLPQLLSRFNFIYN

Purity:> 95% by HPLC

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

Endotoxin Level:<1.0 EU per 1 ug of protein (determined by LAL method)

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.