

NUDT21 Human

Description:NUDT21 Human Recombinant fused with a 20 amino acid His tag at N-terminus produced in E.Coli is a single, non-glycosylated, polypeptide chain containing 247 amino acids (1-227 a.a.) and having a molecular mass of 28.3kDa. The NUDT21 is purified by proprietary chromatographic techniques.

Catalog #:ENPS-087

For research use only.

Synonyms:Cleavage and polyadenylation specificity factor subunit 5, Cleavage and polyadenylation specificity factor 25 kDa subunit, CFIm25, CPSF 25 kDa subunit, Nucleoside diphosphate-linked moiety X motif 21, Nudix motif 21, Pre-mRNA cleavage factor Im 25 kDa sub

Source:Escherichia Coli.

Physical Appearance:Sterile Filtered colorless solution.

Amino Acid Sequence:MGSSHHHHHH SSGLVPRGSH MSVPPNRSQ TGWPRGVTQF
GNKYIQQTKP LTLERTINLY PLTNYTFGTK EPLYEKDSSV AARFQRMREE FDKIGMRRTV
EGVLIVHEHR LPHVLLQLG TFFFKLPGE LNPGEDEVEG LKRLMTEILG RQDGLQDWV
IDDCIGNWWR PNFEPPQYPY IPAHTKPKE HKKFLVLQLQ EKALFAVPKN YKLVAAPLFE
LYDNAPGYGP II

Purity:Greater than 90.0% as determined by SDS-PAGE.

Formulation:

The NUDT21 solution (1 mg/ml) contains 20mM Tris-HCl buffer (pH8.0), 0.2M NaCl, 2mM DTT and 20% glycerol.

Stability:

NUDT21 should be stored desiccated below -18°C. For long term storage it is recommended to add a carrier protein (0.1% HSA or BSA). Please prevent freeze-thaw cycles.

Usage:

NeoBiolab's products are furnished for LABORATORY RESEARCH USE ONLY. The product may not be used as drugs, agricultural or pesticidal products, food additives or household chemicals.

Introduction:

NUDT21 belongs to the Nudix hydrolase family of pyrophosphatases. NUDT21 localizes to the paraspeckles and forms a heterodimer with CPSF6 or CPSF7 to comprise the CFIm (mammalian cleavage factor I) complex. NUDT21 being the smaller subunit of the complex, is present in all heterodimer combinations. NUDT21 has a vital role in pre-mRNA 3' cleavage and polyadenylation processing.

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