
Product Data Sheet

Product Name: NUDT21 Human

Cat. No.: GP22026

Batch No.: 1

Product Data

Purity	>98%	Source	Escherichia Coli.
Physical Appearance	solid	Shipping Condition	Shipped with Ice Packs.
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 subunit; NUDT21; CFIM25; CPSF25; CPSF5; DKFZp686H1588.		
Amino Acid Sequence	MGSSHHHHHH SGLVPRGSH MSVPPNRSQ TGWPRGVTQF GNKYIQQTKP LTLERTINLY PLTNYTFGTK EPLYEKDSSV AARFQRMREE FDKIGMRRTV EGVLIVHEHR LPHVLLLQLG TFFFKLPGGE LNPGEDEVEG LKRLMTEILG RQDGVLQDWV IDDCIGNWWR PNFEPPQYPY IPAHTKPKE HKKLFLVQLQ EKALFAVPKN YKLVAAPLFE LYDNAPGYGP IISLPQLLS RFNFIYN.		
Formulation	The NUDT21 solution (1 mg/ml) contains 20mM Tris-HCl buffer (pH8.0), 0.2M NaCl, 2mM DTT and 20% glycerol.		

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.

Stability

Store at 4°C if entire vial will be used within 2-4 weeks. Store, frozen at -20°C for longer periods of time. For long term storage it is recommended to add a carrier protein (0.1% HSA or BSA). Avoid multiple freeze-thaw cycles.

Background

Caution: Product has not been fully validated for medical applications. For research use only.

Tel: (909) 407-4943 Fax: (626) 353-8530 E-mail: tech@glpbio.com

Address: 10292 Central Ave. #205, Montclair, CA, USA

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NUDT21 Human Recombinant fused with a20 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.

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