

Recombinant Human NUDT21 protein, His-tagged

Cat. No. NUDT21-960H **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant Human NUDT21 protein(1-222 aa), fused with N-terminal His tag, was expressed in E.coli.
Species	Human
Source	E.coli
ProteinLength	1-222 aa
Form	The purified protein was lyophilized from sterile phosphate-buffered saline (PBS: 58 mM Na ₂ HPO ₄ , 17 mM NaH ₂ PO ₄ , 68 mM NaCl, pH 7.4). Prior to lyophilization, 5% (w/v) trehalose and 5% (w/v) mannitol were incorporated as cryoprotective excipients. The protein was eluted with a buffer containing 300 mM imidazole.
AASequence	MSVVPNRSQTGWPRGVTQFGNKYIQQTKPLTLERTINLYPLTNYTFGTKEPLYEKD SSVAARFQRMREEFDKIGMRRTVEGV LIVHEHRLPHVLLLQLGTTFFKLPGGELNPG EDEVEGLKRLMTEILGRQDGV LQDWIDD CIGNWWRPNFEPQYPYIPAHITKPKEH KKLFLVQLQE KALFAVPKNYKLVAAPLFELYDNAPGYGPIISSLPQLLSRF
Purity	85%, by SDS-PAGE with Coomassie Brilliant Blue staining.
Storage	Store at 2-8°C for 1-2 weeks. Aliquot and store at -20°C to -80°C for up to 12 months, reconstitution with sterile water and addition of an equal volume of glycerol. Avoid repeat freeze-thaw cycles.

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Reconstitution Dissolve the product in 200 µl sterile water to achieve a working concentration of 0.25 g/µl. If experimental compatibility allows, mix the aqueous solution with an equal volume of glycerol (1:1 ratio) after initial reconstitution.

GENE INFORMATION

Gene Name NUDT21 nudix (nucleoside diphosphate linked moiety X)-type motif 21 [Homo sapiens]

Official Symbol NUDT21

Synonyms NUDT21; nudix (nucleoside diphosphate linked moiety X)-type motif 21; cleavage and polyadenylation specific factor 5, 25 kD subunit , cleavage and polyadenylation specific factor 5, 25 kDa , CPSF5; cleavage and polyadenylation specificity factor subunit 5; CFIM25; nudix motif 21; CPSF 25 kDa subunit; pre-mRNA cleavage factor Im (25kD); pre-mRNA cleavage factor Im, 25kD subunit; pre-mRNA cleavage factor Im 25 kDa subunit; nucleoside diphosphate-linked moiety X motif 21; cleavage and polyadenylation specific factor 5, 25 kDa; cleavage and polyadenylation specific factor 5, 25 kD subunit; cleavage and polyadenylation specificity factor 25 kDa subunit; CPSF5; DKFZp686H1588;

Gene ID 11051

mRNA Refseq NM_007006

Protein Refseq NP_008937

MIM 604978

UniProt ID O43809

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SDS-PAGE