

Product datasheet for TP307724

NUDT12 (NM_031438) Human Recombinant Protein

Product data:

Product Type:	Recombinant Proteins
Description:	Recombinant protein of human nudix (nucleoside diphosphate linked moiety X)-type motif 12 (NUDT12), 20 µg
Species:	Human
Expression Host:	HEK293T
Expression cDNA Clone or AA Sequence:	>RC207724 protein sequence Red=Cloning site Green=Tags(s)

MSSVKRSLKQEIVTQFHCSAAEGDIAKLTGILSHSPSLLNETSENGWTALMYAARNGHPEIVQFLEKGC
DRSIVNKSQRQTALDIAVFWGYKHIANLLATAKGGKKPWFLTNEVEECENYFSKTLTDRKSEKRNSDWLL
AKESHPATVFILFSDLNPLVTLGGNKESFQQPEVRLCQLNYTDIKDYLAQPEKITLIFLGVELEIKDKLL
NYAGEVPREEEDGLVAWFALGIDPIAAEEFKQRHENCYFLHPPMPALLQLKEKEAGVVAQARSVLAWHSR
YKFCPTCGNATKIEEGGYKRLCLKEDCPSLNGVHNTSYPRVDPVIMQVIHPDGTKLLGRQKRFPFGMF
TCLAGFIEPGETIEDAVRREVEEESGKVGHVQYVACQPWPMPSSLMIGCLALAVSTEIKVDKNEIEDAR
WFTREQVLDVLTGKGKQQAFFVPPSRAIAHQLIKHWIRINPNL

TRTRPLEQKLISEEDLAANDILDYKDDDDKV

Tag:	C-Myc/DDK
Predicted MW:	51.9 kDa
Concentration:	>0.05 µg/µL as determined by microplate BCA method
Purity:	> 80% as determined by SDS-PAGE and Coomassie blue staining
Buffer:	25 mM Tris-HCl, 100 mM glycine, pH 7.3, 10% glycerol
Preparation:	Recombinant protein was captured through anti-DDK affinity column followed by conventional chromatography steps.
Note:	For testing in cell culture applications, please filter before use. Note that you may experience some loss of protein during the filtration process.
Storage:	Store at -80°C.
Stability:	Stable for 12 months from the date of receipt of the product under proper storage and handling conditions. Avoid repeated freeze-thaw cycles.



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RefSeq: [NP_113626](#)

Locus ID: 83594

UniProt ID: [Q9BQG2](#)

RefSeq Size: 3514

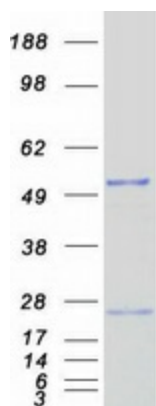
Cytogenetics: 5q21.2

RefSeq ORF: 1386

Summary: Nucleotides are involved in numerous biochemical reactions and pathways within the cell as substrates, cofactors, and effectors. Nudix hydrolases, such as NUDT12, regulate the concentrations of individual nucleotides and of nucleotide ratios in response to changing circumstances (Abdelraheim et al., 2003 [PubMed 12790796]).[supplied by OMIM, Mar 2008]

Protein Pathways: Nicotinate and nicotinamide metabolism

Product images:



Coomassie blue staining of purified NUDT12 protein (Cat# TP307724). The protein was produced from HEK293T cells transfected with NUDT12 cDNA clone (Cat# [RC207724]) using MegaTran 2.0 (Cat# [TT210002]).