

Product datasheet for PH307724

NUDT12 (NM_031438) Human Mass Spec Standard

Product data:

Product Type:	Mass Spec Standards
Description:	NUDT12 MS Standard C13 and N15-labeled recombinant protein (NP_113626)
Species:	Human
Expression Host:	HEK293
Expression cDNA Clone or AA Sequence:	RC207724
Predicted MW:	52.1 kDa
Protein Sequence:	>RC207724 protein sequence Red=Cloning site Green=Tags(s)

MSSVKRSLKQEIVTQFHCSAAEGDIAKLTGILSHSPSLLNETSENGWTALMYAARNGHPEIVQFLLEKGC
DRSIVNKSQRQTALDIAVFWGYKHIANLLATAKGGKPPWFLTNEVEECENYFSKTLLEDKSEKRNNSDWLL
AKESHPATVFIILFSDLNPLVTLGGNKESFQQPEVRLCQLNYTDIKDYLAQPEKITLIFLQVELEIKDKLL
NYAGEVPREEEDGLVAWFALGIDPIAAEEFKQRHENCYFLHPPMPALLQLKEKEAGVVAQARSVLAWHSR
YKFCPTCGNATKIEEGGYKRLCLKEDCPSLNGVHNTSYPRVDPVIMQVIHPDGTKCLLGRQKRFPFGMF
TCLAGFIEPGETIEDAVRREVEEESGVKVGHVQYVACQPWMPSSLMIGCLALAVSTEIKVDKNEIEDAR
WFTREQVLDVLTGKQQAFFVPPSRAIAHQLIKHWIRINPNL

TRTRPLEQKLI SEEDLAANDILDYKDDDDKV

Tag:	C-Myc/DDK
Purity:	> 80% as determined by SDS-PAGE and Coomassie blue staining
Concentration:	>0.05 µg/µL as determined by microplate BCA method
Labeling Method:	Labeled with [U- ¹³ C ₆ , ¹⁵ N ₄]-L-Arginine and [U- ¹³ C ₆ , ¹⁵ N ₂]-L-Lysine
Buffer:	25 mM Tris-HCl, 100 mM glycine, pH 7.3
Storage:	Store at -80°C. Avoid repeated freeze-thaw cycles.
Stability:	Stable for 3 months from receipt of products under proper storage and handling conditions.
RefSeq:	<u>NP_113626</u>
RefSeq Size:	3514
RefSeq ORF:	1386
Locus ID:	83594



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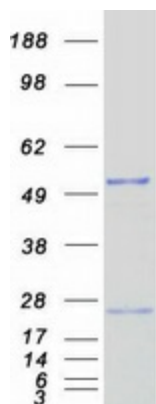
UniProt ID: [Q9BQG2](#)

Cytogenetics: 5q21.2

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]).