

Product datasheet for PH310660

NIT2 (NM_020202) Human Mass Spec Standard

Product data:

Product Type:	Mass Spec Standards
Description:	NIT2 MS Standard C13 and N15-labeled recombinant protein (NP_064587)
Species:	Human
Expression Host:	HEK293
Expression cDNA Clone or AA Sequence:	RC210660
Predicted MW:	30.6 kDa
Protein Sequence:	>RC210660 protein sequence Red=Cloning site Green=Tags(s) MTSFRLALIQLQISSIKSDNVTRACSFIREAATQGAKIVSLPECFNSPYGAKYFPEYAEKIPGESTQKLS EVAKECSIYLIIGGSIPEEDAGKLYNTCAVFGPDGTLLAKYRKIHLFDIDVPGKITFQESKTLSPGDSFST FDTPYCRVGLGICYDMRFAELAQIYAQRGCQLLYYPGAFNLTTGPAHWELLQRSRAVDNQVYVATASPAR DDKASYVAWGHSTVVPNPWGEVLAKAGTEEAIVYSIDLKLAELRQQIPVFRQKRSPLYAVEMKKP 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:	NP_064587
RefSeq Size:	1271
RefSeq ORF:	828
Synonyms:	HEL-S-8a
Locus ID:	56954
UniProt ID:	Q9NQR4 , V9HW91

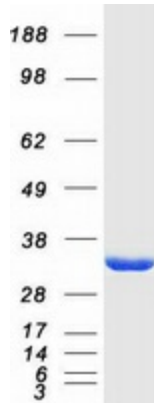


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Cytogenetics: 3q12.2

Summary: Has a omega-amidase activity. The role of omega-amidase is to remove potentially toxic intermediates by converting alpha-ketoglutaramate and alpha-ketosuccinamate to biologically useful alpha-ketoglutarate and oxaloacetate, respectively. Overexpression decreases the colony-forming capacity of cultured cells by arresting cells in the G2 phase of the cell cycle. [UniProtKB/Swiss-Prot Function]

Product images:



Coomassie blue staining of purified NIT2 protein (Cat# [TP310660]). The protein was produced from HEK293T cells transfected with NIT2 cDNA clone (Cat# [RC210660]) using MegaTran 2.0 (Cat# [TT210002]).