Active Recombinant Full Length Human NIT2 Protein, C-Flag-tagged

Cat. No. NIT2-243HFL **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant Full Length Human NIT2 Protein, fused to Flag-tag at C-terminus, was expressed in Mammalian cells.
Species	Human
Source	Mammalian Cells
Description	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.
Form	25 mM Tris HCl, pH 7.3, 100 mM glycine, 10% glycerol.
Bio-activity	Enzyme activity
Molecular Mass	30.4 kDa
AA Sequence	MTSFRLALIQLQISSIKSDNVTRACSFIREAATQGAKIVSLPECFNSPYGAKYFPEYAE KIPGESTQKLS EVAKECSIYLIGGSIPEEDAGKLYNTCAVFGPDGTLLAKYRKIHLFDI DVPGKITFQESKTLSPGDSFST FDTPYCRVGLGICYDMRFAELAQIYAQRGCQLLVY PGAFNLTTGPAHWELLQRSRAVDNQVYVATASPAR DDKASYVAWGHSTVVNPWG EVLAKAGTEEAIVYSDIDLKKLAEIRQQIPVFRQKRSDLYAVEMKKPTRTRPLEQKLIS

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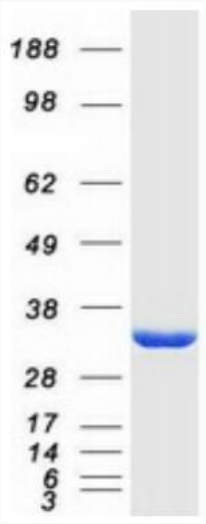
	EEDLAANDILDYKDDDDKV
Purity	> 80% as determined by SDS-PAGE and Coomassie blue staining.
Stability	Stable for 12 months from the date of receipt of the product under proper storage and handling conditions. Avoid repeated freeze-thaw cycles.
Storage	Store at -80 centigrade.
Concentration	>50 ug/mL as determined by microplate BCA method.
Preparation	Recombinant protein was captured through anti-DDK affinity column followed by conventional chromatography steps.
Full Length	Full L.

GENE INFORMATION

Gene Name	NIT2 nitrilase family member 2 [Homo sapiens (human)]
Official Symbol	NIT2
Synonyms	HEL-S-8a
Gene ID	56954
mRNA Refseq	NM_020202.5
Protein Refseq	NP_064587.1
MIM	616769

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UniProt ID	Q9NQR4



Coomassie blue staining of purified NIT2 protein.

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