

Product datasheet for **AR09759PU-N**

NIT2 (1-276, His-tag) Human Protein

Product data:

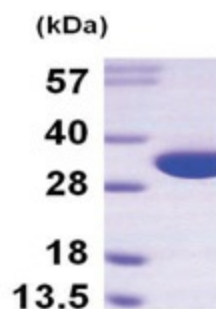
Product Type:	Recombinant Proteins
Description:	NIT2 (1-276, His-tag) human recombinant protein, 50 µg
Species:	Human
Expression Host:	E. coli
Expression cDNA Clone or AA Sequence:	<u>MGSSHHHHHH</u> <u>SSGLVPRGSH</u> <u>MGSMTSFRLA</u> LIQLQISSIK SDNVTRACSF IREAATQGAK IVSLPECFNS PYGAKYFPEY AEKIPGESTQ KLSEVAKECS IYLIGGSIPE EDAGKLYNTC AVFGPDGTL AKYRKIHLFD IDVPGKITFQ ESKTLSPGDS FSTFDTPYCR VGLGICYDMR FAELAQIYAQ RGCQLLVYPG AFNLTGPAH WELLQRSRAV DNQVYVATAS PARDDKASYV AWGHSTVWNP WGEVLAKAGT EEAIVYSDID LKKLAEIRQQ IPVFRQKRS LYAVEMKKP
Tag:	His-tag
Concentration:	lot specific
Purity:	>95%
Buffer:	Presentation State: Purified State: Liquid purified protein Buffer System: 20 mM Tris-HCl buffer (pH 8.0) containing 1 mM DTT, 10% glycerol, 0.1M NaCl
Preparation:	Liquid purified protein
Protein Description:	Recombinant human NIT2 protein, fused to His-tag at N-terminus, was expressed in E.coli and purified by using conventional chromatography techniques.
Storage:	Store undiluted at 2-8°C for up to two weeks or (in aliquots) at -20°C or -70°C for longer. Avoid repeated freezing and thawing.
Stability:	Shelf life: one year from despatch.
RefSeq:	<u>NP_064587</u>
Locus ID:	56954
UniProt ID:	<u>Q9NQR4</u> , <u>V9HW91</u>
Cytogenetics:	3q12.2
Synonyms:	HEL-S-8a



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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:

15% SDS-PAGE (3ug)