

Recombinant Human NIT2

Cat. No. NIT2-26962TH **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant full length Human NIT2 expressed in <i>Saccharomyces cerevisiae</i> ; 276 amino acids, MWt 30.6 kDa. Protein is tagged with a 26 kDa proprietary tag.
Species	Human
Description	Omega-amidase NIT2, also known NIT2, belongs to the nitrilase superfamily. This protein has an omega-amidase activity.
Tissue specificity	Detected in fetal brain (at protein level). Ubiquitous. Detected in heart, brain, placenta, lung, liver, skeletal muscle, kidney, pancreas, prostate, spleen, thymus, prostate, testis, ovary, small intestine and colon.
Form	Liquid
Purity	>90% by SDS-PAGE
Storage buffer	Preservative: None Constituents: 30% Glycerol, 0.5% Triton-X-100, 50mM HEPES, 30mM Glutathione, 100mM Sodium chloride, 1mM DTT, pH 7.5
Storage	Shipped at 4°C. Upon delivery aliquot and store at -20°C. Avoid freeze / thaw cycles.
Sequences of amino acids	MTSFRLALIQQLQISSIKSDNVTRACSFIREAATQGAKIVS LPECFNSPYGAKYFPEYAE KIPGESTQKLSEVAKECSI YLIGGSIPEEDAGKLYNTCAVFGPDGTLLAKYRKIHLFDI DVP GKITFQESKTLSPGDSFSTFDTPYCRVGLGICYDM RFAELAQIYAQRGCQLLVY PGAFNLTTGPAHWELLQRS RAVDNQVYVATASPARDDKASYVAWGHSTVVPWG

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EVLAKAGTEEAIVYSDIDLKKLAEIRQQIPVFRQKRSDLYAVE MKKP

**Sequence
Similarities**

Belongs to the UPF0012 family.Contains 1 CN hydrolase domain.

Full Length

Full L.

GENE INFORMATION

Gene Name

NIT2 nitrilase family, member 2 [Homo sapiens]

Official Symbol

NIT2

Synonyms

NIT2; nitrilase family, member 2; omega-amidase NIT2;

Gene ID

56954

mRNA Refseq

NM_020202

Protein Refseq

NP_064587

Uniprot ID

Q9NQR4

**Chromosome
Location**

3q12.3

Pathway

Alanine, aspartate and glutamate metabolism, organism-specific biosystem; Alanine, aspartate and glutamate metabolism, conserved biosystem;

Function

hydrolase activity, acting on carbon-nitrogen (but not peptide) bonds;
molecular_function; omega-amidase activity;

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