# Recombinant Human NIT2

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

## SPECIFICATION

| | |
|---|---|
| **Product Overview** | Recombinant full length Human NIT2 expressed in Saccharomyces cerevisiae; 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: NoneConstituents: 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** | MTSFRLALIQLQISSIKSDNVTRACSFIREAATQGAKIVS LPECFNSPYGAKYFPEYAE KIPGESTQKLSEVAKECSI YLIGGSIPEEDAGKLYNTCAVFGPDGTLLAKYRKIHLFDI DVPGKITFQESKTLSPGDSFSTFDTPYCRVGLGICYDM RFAELAQIYAQRGCQLLVY PGAFNLTTGPAHWELLQRS RAVDNQVYVATASPARDDKASYVAWGHSTVVNPWG |

Tel: 1-631-559-9269 1-516-512-3133
Email: info@creative-biomart.com Fax: 1-631-938-8127
45-1 Ramsey Road, Shirley, NY 11967, USA

| | |
|---|---|
| | 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; |

Tel: 1-631-559-9269 1-516-512-3133
Email: info@creative-biomart.com Fax: 1-631-938-8127
45-1 Ramsey Road, Shirley, NY 11967, USA