Recombinant Human NIT2, His-tagged

Cat. No. NIT2-26965TH **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant full length Human NIT2 (amino acids 1-276) with an N terminal His tag (299 amino acids with the tag); predicted mwt: 33 kDa.
Species	Human
Source	E.coli
ProteinLength	276 amino acids
Description	Omega-amidase NIT2, also known NIT2, belongs to the nitrilase superfamily. This protein has an omega-amidase activity.
Conjugation	HIS
Molecular Weight	33.000kDa inclusive of tags
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	>95% by SDS-PAGE
Storage buffer	Preservative: NoneConstituents: 10% Glycerol, 0.1M Sodium chloride, 20mM Tris

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

	HCl, 1mM DTT, pH 8.0
Storage	Shipped at 4°C. Upon delivery aliquot and store at -20°C or -80°C. Avoid repeated freeze / thaw cycles.
Sequences of amino acids	MGSSHHHHHHSSGLVPRGSHMGSMTSFRLALIQLQISSIKSDNVTRACSFIREAATQ GAKIVSLPECFNSPYGAKYFPEYAEKIPGESTQKLSEVAKECSIYLIGGSIPEEDAGKL YNTCAVFGPDGTLLAKYRKIHLFDIDVPGKITFQESKTLSPGDSFSTFDTPYCRVGLGI CYDMRFAELAQIYAQRGCQLLVYPGAFNLTTGPAHWELLQRSRAVDNQVYVATASP ARDDKASYVAWGHSTVVNPWGEVLAKAGTEEAIVYSDIDLKKLAEIRQQIPVFRQKR SDLYAVEMKKP
Sequence Similarities	Belongs to the UPF0012 family.Contains 1 CN hydrolase domain.

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

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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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