

Recombinant Full Length Human NIT1 Protein, GST-tagged

Cat. No. NIT1-6642HF **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Human NIT1 full-length ORF (NP_005591.1, 1 a.a. - 327 a.a.) recombinant protein with GST-tag at N-terminal.
Species	Human
Source	In Vitro Cell Free System
ProteinLength	327 amino acids
Description	This gene encodes a member of the nitrilase protein family with homology to bacterial and plant nitrilases, enzymes that cleave nitriles and organic amides to the corresponding carboxylic acids plus ammonia. Multiple transcript variants encoding different isoforms have been found for this gene. [provided by RefSeq, Jun 2010]
Molecular Mass	62.3 kDa
AA Sequence	MLGFITRPPHRFLSLLCPGLRIPQLSVLCAQPRPRAMAISSSSCELPLVAVCQVTSTP DKQQNFKTCAELVREAARLGACLAFLPEAFDFIARDPAETLHLSEPLGGKLL E EYTQL ARECGLWLSLGGFHERGQDWEQTQKIYNCHVLLNSKGAVVATYRKTHLCDVEIPG QGPMCESNSTMPGPSLESPVSTPAGKIGLAVCYDMRFPELSLALAQAQAGAEILTYP SAFGSITGPAHWVLLRARAIETQCYVVAQAQCGRHHEKRASYGHSMVVD PWGTVVARRCSEGPGLCLARIDLNYLRQLRRHLPVFQHRRPDLYGNLGHPLS
Applications	Enzyme-linked Immunoabsorbent Assay Western Blot (Recombinant protein)

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	Antibody Production Protein Array
Notes	Best use within three months from the date of receipt of this protein.
Storage	Store at -80 centigrade. Aliquot to avoid repeated freezing and thawing.
Storage Buffer	50 mM Tris-HCl, 10 mM reduced Glutathione, pH=8.0 in the elution buffer.

GENE INFORMATION

Gene Name	NIT1 nitrilase 1 [Homo sapiens]
Official Symbol	NIT1
Synonyms	NIT1; nitrilase 1; nitrilase homolog 1; MGC57670;
Gene ID	4817
mRNA Refseq	NM_001185092
Protein Refseq	NP_001172021
MIM	604618
UniProt ID	Q86X76

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