

Recombinant Full Length Human NIT1 Protein, C-Flag-tagged

Cat. No. NIT1-1496HFL **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant Full Length Human NIT1 Protein, fused to Flag-tag at C-terminus, was expressed in Mammalian cells.
Species	Human
Source	Mammalian Cells
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.
Form	25 mM Tris HCl, pH 7.3, 100 mM glycine, 10% glycerol.
Molecular Mass	35.7 kDa
AA Sequence	MLGFITRPPHRFLSLLCPGLRIPQLSVLCAQPRPRAMAISSSSCELPLVAVCQVTSTP DKQQNFKTCAEL VREAARLGACLAFLPEAFDFIARDPAETLHLSEPLGGKLL E EYTQ LARECGLWLSLGGFHERGQDWEQTQ KIYNCHVLLNSKGAVVATYRKTHLCDVEIP GQGPMCESNSTMPGPSLESPVSTPAGKIGLAVCYDMRFPE LSLALAQAGAEILTYP SAFGSITGPAHWEVLLRARA IETQCYVVAQAQCGRHHEKRASYGHSMVVDPWGT VVARCSEGPGLCLARIDLNYLRQLRRHLPVFQHRRPDLYGNLGHPLSTRTRPLEQKL ISEEDLAANDILDYKDDDDKV
Purity	> 80% as determined by SDS-PAGE and Coomassie blue staining.

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Stability	Stable for 12 months from the date of receipt of the product under proper storage and handling conditions. Avoid repeated freeze-thaw cycles.
Storage	Store at -80 centigrade.
Concentration	>50 ug/mL as determined by microplate BCA method.
Preparation	Recombinant protein was captured through anti-DDK affinity column followed by conventional chromatography steps.
Full Length	Full L.

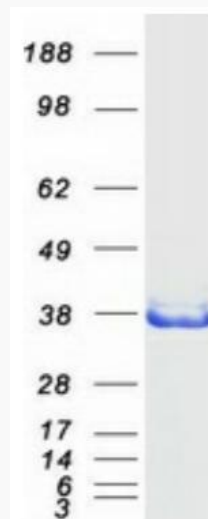
GENE INFORMATION

Gene Name	NIT1 nitrilase 1 [Homo sapiens (human)]
Official Symbol	NIT1
Synonyms	MGC57670
Gene ID	4817
mRNA Refseq	NM_005600.3
Protein Refseq	NP_005591.1
MIM	604618
UniProt ID	Q86X76

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Coomassie blue staining of purified NIT1 protein.

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