

Recombinant Mouse Nit2 Protein, Myc/DDK-tagged

Cat. No. Nit2-4420M **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Purified recombinant protein of mouse full-length nitrilase family, member 2 (Nit2), with C-terminal MYC/DDK tag, expressed in HEK293T cells.
Species	Mouse
Source	HEK293
Description	Has omega-amidase activity. The role of omega-amidase is to remove potentially toxic intermediates by converting 2-oxoglutaramate and 2-oxosuccinamate to biologically useful 2-oxoglutarate and oxaloacetate, respectively. Can also hydrolyze gamma-monomethyl-alpha-ketoglutarate in vitro.
Molecular Mass	30.5 kDa
Purity	> 80% as determined by SDS-PAGE and Coomassie blue staining
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 after receiving vials.
Concentration	>50 µg/mL as determined by microplate BCA method
Storage Buffer	25 mM Tris.HCl, pH 7.3, 100 mM glycine, 10% glycerol.

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GENE INFORMATION

Gene Name	Nit2 nitrilase family, member 2 [Mus musculus (house mouse)]
Official Symbol	Nit2
Synonyms	NIT2; nitrilase family, member 2; omega-amidase NIT2; Nit protein 2; nitrilase homolog 2; D16Ert502e; 1190017B19Rik
Gene ID	52633
mRNA Refseq	NM_023175
Protein Refseq	NP_075664
UniProt ID	Q9JHW2

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