

Product datasheet for **TP504685**

Nit1 (NM_012049) Mouse Recombinant Protein

Product data:

Product Type:	Recombinant Proteins
Description:	Purified recombinant protein of Mouse nitrilase 1 (Nit1), with C-terminal MYC/DDK tag, expressed in HEK293T cells, 20ug
Species:	Mouse
Expression Host:	HEK293T
Expression cDNA Clone or AA Sequence:	>MR204685 protein sequence Red =Cloning site Green =Tags(s)
	<p>MLGFITRPPHQLLCTGYRLLRTPVLCTQPRPRTMSSSTSWELPLVAVCQVTSTPNKQENFKTCAELVQEA ARLGACLAFLPEAFDFIARNPAETLLLSEPLNGDLLGQYSQLARECGIWLSLGGFHERGQDWEQNQKIYN CHVLLNSKGSVVASYRKTHLCDVEIPGQGPMRESNYTKPGGTLEPPVKTPAGKVGLAICYDMRFPESLK LAQAGAEILTYSSAFGSVTGPAHWEVLLRARAIESQCYVIAAAQCGRHHETRASYGHSMVWDPWGTVVAR CSEGPLCLARIDLHFLQQMRQHLPVVFQHRRPDLYGSLGHPLS</p> <p>TRTRPLEQKLISEEDLAANDILDYKDDDDKV</p>
Tag:	C-MYC/DDK
Predicted MW:	35.7 kDa
Concentration:	>0.05 µg/µL as determined by microplate BCA method
Purity:	> 80% as determined by SDS-PAGE and Coomassie blue staining
Buffer:	25 mM Tris-HCl, 100 mM glycine, pH 7.3, 10% glycerol
Note:	For testing in cell culture applications, please filter before use. Note that you may experience some loss of protein during the filtration process.
Storage:	Store at -80°C after receiving vials.
Stability:	Stable for 12 months from the date of receipt of the product under proper storage and handling conditions. Avoid repeated freeze-thaw cycles.
RefSeq:	NP_036179
Locus ID:	27045
UniProt ID:	Q8VDK1



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RefSeq Size: 1342

Cytogenetics: 1 79.35 cM

RefSeq ORF: 972

Synonyms: AI255805; ESTM30; W57327

Summary: Catalyzes the hydrolysis of the amide bond in N-(4-oxoglutarate)-L-cysteinylglycine (deaminated glutathione), a metabolite repair reaction to dispose of the harmful deaminated glutathione. Plays a role in cell growth and apoptosis: loss of expression promotes cell growth, resistance to DNA damage stress and increased incidence to NMBA-induced tumors. Has tumor suppressor properties that enhances the apoptotic responsiveness in cancer cells; this effect is additive to the tumor suppressor activity of FHIT. It is also a negative regulator of primary T-cells.[UniProtKB/Swiss-Prot Function]