

## Product datasheet for TP300131L

### NAD Synthetase (NADSYN1) (NM\_018161) Human Recombinant Protein

#### Product data:

Product Type:	Recombinant Proteins
Description:	Recombinant protein of human NAD synthetase 1 (NADSYN1), 1 mg
Species:	Human
Expression Host:	HEK293T
Expression cDNA Clone or AA Sequence:	>RC200131 protein sequence Red=Cloning site Green=Tags(s)

MGRKVTVATCALNQWALDFEGLNLRILKSIEIAKNRGARYRLGPELEICGYGCWDHYYESDTLLHSFQVL  
AALLESPTQDIICDVGMPVMHRNVRYNCRVIFLNRKILLIRPKMALANEGNYRELWFTPWRSRSTHTEE  
YFLPRMIQDLTKQETVFPFGDAVLVTWDTICIGSEICEELWTPHSPHIDMGLDGEIITNASGSHHVLKANK  
TRVDLVTMVTSKNGGIYLLANQKGCDDRLYYDGCAMIAMNGSVFAQGSQFSLDDVEVLTATLDLEDVRS  
YRAEISSRNLAASRASPYPYPRVKVDFALSCHEDLLAPISEPIEWKYHSPEEEISLGPACWLWDFLRRSQQA  
GFLLPLSGGVDSAATACLIYSMCCQVCEAVRSGNEEVLADVRTIVNQISYTPQDPRDLCGRILTTCYMAS  
KNSSQETCTRARELAQQIGSHHISLNIDPAVKAVMGIFSLVTGKSPLFAAHGSSRENALQNVQARIRM  
VLAYLFAQLSLWSRGVHGGLLVLGSANVDESLLGYLTKYDCSSADINPIGGISKTDLRAFVQFCIQRFQL  
PALQSILLAPATAELEPLADGQVSQTDEEDMGMTYAELSVYGKLRKVAKMGPYSMFCKLLGMWRHICTPR  
QVADKVKRFFSKYSMNRHKMTTLTPAYHAENYSPEDNRFDLRPFYNTSWPWQFRCIENQVLQLERAEPQ  
SLDGVD

TRTRPLEQKLISEEDLAANDILDYKDDDDKV

Tag:	C-Myc/DDK
Predicted MW:	79.1 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
Preparation:	Recombinant protein was captured through anti-DDK affinity column followed by conventional chromatography steps.
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.



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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.

**RefSeq:** [NP\\_060631](#)

**Locus ID:** 55191

**UniProt ID:** [Q6IA69](#)

**RefSeq Size:** 2453

**Cytogenetics:** 11q13.4

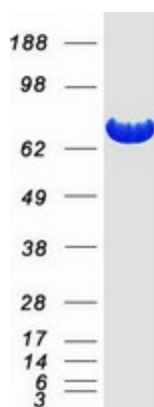
**RefSeq ORF:** 2118

**Synonyms:** VCRL3

**Summary:** Nicotinamide adenine dinucleotide (NAD) is a coenzyme in metabolic redox reactions, a precursor for several cell signaling molecules, and a substrate for protein posttranslational modifications. NAD synthetase (EC 6.3.5.1) catalyzes the final step in the biosynthesis of NAD from nicotinic acid adenine dinucleotide (NaAD).[supplied by OMIM, Apr 2004]

**Protein Pathways:** Metabolic pathways, Nicotinate and nicotinamide metabolism

### Product images:



Coomassie blue staining of purified NADSYN1 protein (Cat# [TP300131]). The protein was produced from HEK293T cells transfected with NADSYN1 cDNA clone (Cat# [RC200131]) using MegaTran 2.0 (Cat# [TT210002]).