

# Recombinant Human NADSYN1 Protein, Myc/DDK-tagged, C13 and N15-labeled

**Cat. No.** NADSYN1-3528H    **Lot. No.** (See product label)

## SPECIFICATION

<b>Product Overview</b>	NADSYN1 MS Standard C13 and N15-labeled recombinant protein (NP_060631) with a C-terminal MYC/DDK tag, was expressed in HEK293 cells.
<b>Species</b>	Human
<b>Source</b>	HEK293
<b>Description</b>	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).
<b>Molecular Mass</b>	79.3 kDa
<b>AA Sequence</b>	MGRKVTVATCALNQWALDFEGNLQRILKSIEIAKNRGARYRLGPELEICGYGCWDHY YESDTLLHSFQVLAALLESPVTQDIICDVGMVPMHRNVRYNCRVIFLNRKILLIRPKMA LANEGNYRELRFWFTPWSRSRHTEEYFLPRMIQDLTKQETVPFGDAVLVTWDCIGS EICEELWTPHSPHIDMGLDVEIITNASGSHHVLKRNTRVLDLVTMVTSKNGGIYLLA NQKGC DGDRLYYDGCAMIAMNGSVFAQGSQFSLDDVEVL TATLDLEDVRSYRAEIS SRNLAASRASPYPYPRVKVDFALSCHEDLLAPISEPIEWKYHSPREEISLGPACWLWDF LRRSQQAGFLLPLSGGVDSAATACLIYSMCCQVCEAVRSGNEEVLADVRTIVNQISY TPQDPRDLCGRILTTCYMASKNSSQETCTRARELAQQIGSHHISLNIDPAVKAVMGIF SLVTGKSPLFAAHGGSSRENALQNVQARIRMVLAFLYLAQLSLWSRGVHGGLLVLG

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 45-1 Ramsey Road, Shirley, NY 11967, USA

SANVDESLGTYLTKYDCSSADINPIGGISKTDLRAFVQFCIQRFLPALQSILLAPATA  
 ELEPLADGQVSQTDEEDMGMTYAELSVYGKLRKVKAKMGYPYSMFCKLLGMWRHICT  
 PRQVADKVKRFFSKYSMNRHKMTTLTPAYHAENYSPEDNRFDLRPFLYNTSWPWQ  
 FRCIENQVLQLERAEPQSLDGVDTRTRPLEQKLISEEDLAANDILDYKDDDDKV

**Purity** > 80% as determined by SDS-PAGE and Coomassie blue staining

**Stability** Stable for 3 months from receipt of products under proper storage and handling conditions.

**Storage** Store at -80 centigrade. Avoid repeated freeze-thaw cycles.

**Concentration** 50 µg/mL as determined by BCA

**Storage Buffer** 100 mM glycine, 25 mM Tris-HCl, pH 7.3.

## GENE INFORMATION

**Gene Name** NADSYN1 NAD synthetase 1 [ Homo sapiens (human) ]

**Official Symbol** NADSYN1

**Synonyms** NADSYN1; NAD synthetase 1; glutamine-dependent NAD(+) synthetase; FLJ10631; NAD(+) synthase; NAD(+) synthetase; glutamine-dependent NAD synthetase; FLJ36703; FLJ40627;

**Gene ID** 55191

**mRNA Refseq** NM\_018161

**Protein Refseq** NP\_060631

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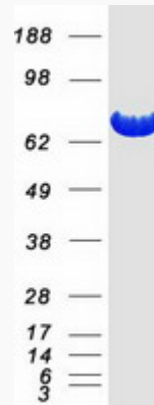
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**MIM** 608285

**UniProt ID** Q6IA69

**SDS-PAGE**



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