

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

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

SPECIFICATION

Product Overview	NADSYN1 MS Standard C13 and N15-labeled recombinant protein (NP_060631) with a C-terminal MYC/DDK tag, was expressed in HEK293 cells.
Species	Human
Source	HEK293
Description	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).
Molecular Mass	79.3 kDa
AA Sequence	MGRKVTVATCALNQWALDFEGNLQRILKSIEIAKNRGARYRLGPELEICGYGCWDHY YESDTLLHSFQVLAALLESPTQDIICDVGMMPVMHRNVRYNCRVIFLNRKILLIRPKMA LANEGNYRELWFTPWSRSRHTTEYFLPRMIQDLTKQETVPFGDAVLVTWDTICGS EICEELWTPHSPHIDMGLDGVEIITNASGSHHVLRLKANTRVDLVTMVTSKNGGIYLLA NQKGCDDGRLYYDGCAMIAMNGSVFAQGSQFSLDDVEVLATLDLEDVRSYRAEIS SRNLAASRASPYPRVKVDFALSCHEDLLAPISEPIEWKYHSPEEEISLGPACWLWDF LRRSQQAGFLLPLSGGVDSAATACLIYSMCCQVCEAVRSGNEEVLADVRTIVNQISY TPQDPRDLCGRILTTCYMASKNSSQETCTRARELAQQIGSHHISLNIDPAVKAVMGIF SLVTGKSPLFAAHGGSSRENALQNVQARIRMLAYLFAQLSLWSRGVHGGLLVLG

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SANVDESLLGYLTKYDCSSADINPIGGISKTDLRAFVQFCIQRFQLPALQSILLAPATA
ELEPLADGQVSQTDEEDMGMTYAELSVYGKLRKVAKMGPYSMFCKLLGMWRHICT
PRQVADKVKRFFSKYSMNRHKMTTLTPAYHAENYSPEDNRFDLRPFLYNTSWPWQ
FRCIENQVLQLERAEPQSLDGVDTTRTRPLEQKLISEEDLAANDILDYKDDDDKV

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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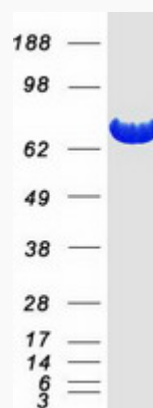
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MIM 608285

UniProt ID Q6IA69

SDS-PAGE



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