Recombinant Full Length Human NADSYN1 Protein, C-Flag-tagged

Cat. No. NADSYN1-311HFL **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant Full Length Human NADSYN1 Protein, fused to Flag-tag at C-terminus, was expressed in Mammalian cells.
Species	Human
Source	Mammalian Cells
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).
Form	25 mM Tris HCl, pH 7.3, 100 mM glycine, 10% glycerol.
Molecular Mass	79.1 kDa
AA Sequence	MGRKVTVATCALNQWALDFEGNLQRILKSIEIAKNRGARYRLGPELEICGYGCWDHY YESDTLLHSFQVL AALLESPVTQDIICDVGMPVMHRNVRYNCRVIFLNRKILLIRPKM ALANEGNYRELRWFTPWSRSRHTEE YFLPRMIQDLTKQETVPFGDAVLVTWDTCIG SEICEELWTPHSPHIDMGLDGVEIITNASGSHHVLRKAN TRVDLVTMVTSKNGGIYLL ANQKGCDGDRLYYDGCAMIAMNGSVFAQGSQFSLDDVEVLTATLDLEDVRS YRAE ISSRNLAASRASPYPRVKVDFALSCHEDLLAPISEPIEWKYHSPEEEISLGPACWLWD FLRRSQQA GFLLPLSGGVDSAATACLIYSMCCQVCEAVRSGNEEVLADVRTIVNQIS YTPQDPRDLCGRILTTCYMAS KNSSQETCTRARELAQQIGSHHISLNIDPAVKAVMG

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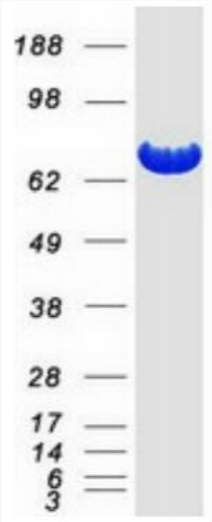
	IFSLVTGKSPLFAAHGGSSRENLALQNVQARIRM VLAYLFAQLSLWSRGVHGGLLVL GSANVDESLLGYLTKYDCSSADINPIGGISKTDLRAFVQFCIQRFQL PALQSILLAPAT AELEPLADGQVSQTDEEDMGMTYAELSVYGKLRKVAKMGPYSMFCKLLGMWRHIC TPR QVADKVKRFFSKYSMNRHKMTTLTPAYHAENYSPEDNRFDLRPFLYNTSWPW QFRCIENQVLQLERAEPQ SLDGVDTRTRPLEQKLISEEDLAANDILDYKDDDDKV
Purity	> 80% 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.
Concentration	>50 ug/mL as determined by microplate BCA method.
Preparation	Recombinant protein was captured through anti-DDK affinity column followed by conventional chromatography steps.
Protein Pathways	Metabolic pathways, Nicotinate and nicotinamide metabolism
Full Length	Full L.

GENE INFORMATION

Gene Name	NADSYN1 NAD synthetase 1 [Homo sapiens (human)]
Official Symbol	NADSYN1
Synonyms	VCRL3

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Gene ID	55191
mRNA Refseq	NM_018161.5
Protein Refseq	NP_060631.2
MIM	608285
UniProt ID	Q6IA69



Coomassie blue staining of purified NADSYN1 protein.

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