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Product datasheet for TP300131

NAD Synthetase (NADSYN1) (NM_018161) Human Recombinant Protein

Product data:

Product Type:	Recombinant Proteins
Description:	Recombinant protein of human NAD synthetase 1 (NADSYN1), 20 µg
Species:	Human
Expression Host:	HEK293T
Expression cDNA Clone or AA Sequence:	>RC200131 protein sequence Red=Cloning site Green=Tags(s) MGRKVTVATCALNQWALDFEGNLQRILKSIEIAKNRGARYRLGPELEICGYGCWDHYYESDTLLHSFQVL AALLESPVTQDIICDVGMPVMHRNVRYNCRVIFLNRKILLIRPKMALANEGNYRELRWFTPWSRSRHTEE YFLPRMIQDLTKQETVPFGDAVLVTWDTCIGSEICEELWTPHSPHIDMGLDGVEIITNASGSHHVLRKAN TRVDLVTMVTSKNGGIYLLANQKGCDGDRLYYDGCAMIAMNGSVFAQGSQFSLDDVEVLTATLDLEDVRS YRAEISSRNLAASRASPYPRVKVDFALSCHEDLLAPISEPIEWKYHSPEEEISLGPACWLWDFLRRSQQA GFLLPLSGGVDSAATACLIYSMCCQVCEAVRSGNEEVLADVRTIVNQISYTPQDPRDLCGRILTTCYMAS KNSSQETCTRARELAQQIGSHHISLNIDPAVKAVMGIFSLVTGKSPLFAAHGGSSRENLALQNVQARIRM VLAYLFAQLSLWSRGVHGGLLVLGSANVDESLLGYLTKYDCSSADINPIGGISKTDLRAFVQFCIQRFQL PALQSILLAPATAELEPLADGQVSQTDEEDMGMTYAELSVYGKLRKVAKMGPYSMFCKLLGMWRHICTPR QVADKVKRFFSKYSMNRHKMTTLTPAYHAENYSPEDNRFDLRPFLYNTSWPWQFRCIENQVLQLERAEP Q 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.

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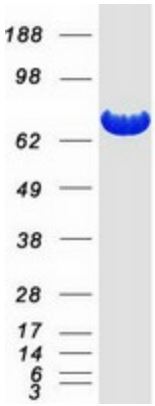
Storage:	Store at -80°C.
Stability:	Stable for 12 months from the date of receipt of the product under proper storage and handling conditions. Avoid repeated freeze-thaw cycles.
RefSeq:	NP_060631
Locus ID:	55191
UniProt ID:	Q6IA69
RefSeq Size:	2453
Cytogenetics:	11q13.4
RefSeq ORF:	2118
Synonyms:	VCRL3
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]).