

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

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

## SPECIFICATION

|                         |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             |
|-------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>Product Overview</b> | Recombinant Full Length Human NADSYN1 Protein, fused to Flag-tag at C-terminus, was expressed in Mammalian cells.                                                                                                                                                                                                                                                                                                                                                                                           |
| <b>Species</b>          | Human                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       |
| <b>Source</b>           | Mammalian Cells                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             |
| <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>Form</b>             | 25 mM Tris HCl, pH 7.3, 100 mM glycine, 10% glycerol.                                                                                                                                                                                                                                                                                                                                                                                                                                                       |
| <b>Molecular Mass</b>   | 79.1 kDa                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    |
| <b>AA Sequence</b>      | MGRKVTVATCALNQWALDFEGNLQRILKSIEIAKNRGARYRLGPELEICGYGCWDHY<br>YESDTLLHSFQVL AALLESPTVTDIICDVGMPPVMHRNVRYNCRVIFLNRKILLIRPKM<br>ALANEGNYRELRFWTPWSRSRHTTE YFLPRMIQDLTKQETVPFGDAVLVTWDTICIG<br>SEICEELWTPHSPHIDMGLDGVETITNASGSHHVLRLKAN TRVDLVMTVTSKNGGIYLL<br>ANQKGCDGDRLYYDGCAMIAMNGSVFAQGSQFSLDDVEVLATLDLEDVRS YRAE<br>ISSRNLAASRASPYPRVKVDFALSCHEDLLAPISEPIEWKYHSPEEEISLGPACWLWD<br>FLRRSQQAGFLLPLSGGVDSAATACLIYSMCCQVCEAVRSGNEEVLADVRTIVNQIS<br>YTPQDPRDLCGRILTTCYMAS KNSSQETCTRARELAQQIGSHHISLNIDPAVKAVMG |

 Tel: 1-631-559-9269    1-516-512-3133

 Email: [info@creative-biomart.com](mailto:info@creative-biomart.com)     Fax: 1-631-938-8127

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

IFSLVTGKSPLFAAHGGSSRENALQNVQARIRM VLAYLFAQLSLWSRGVHGGLLVL  
 GSANVDESLLGYLTKYDCSSADINPIGGISKTDLRAFVQFCIQRFQL PALQSILLAPAT  
 AELEPLADGQVSQTDEEDMGMTYAELSVYGKLRKVAKMGPYSMFCKLLGMWRHIC  
 TPR QVADKVKRFFSKYSMNRHKMTTLTPAYHAENYSPEDNRFDLRPFLYNTSWPW  
 QFRCIENQVLQLERAEPQ  
 SLDGVDTRTRPLEQKLISEEDLAANDILDYKDDDDKV

|                         |                                                                                                                                               |
|-------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------|
| <b>Purity</b>           | > 80% as determined by SDS-PAGE and Coomassie blue staining.                                                                                  |
| <b>Stability</b>        | Stable for 12 months from the date of receipt of the product under proper storage and handling conditions. Avoid repeated freeze-thaw cycles. |
| <b>Storage</b>          | Store at -80 centigrade.                                                                                                                      |
| <b>Concentration</b>    | >50 ug/mL as determined by microplate BCA method.                                                                                             |
| <b>Preparation</b>      | Recombinant protein was captured through anti-DDK affinity column followed by conventional chromatography steps.                              |
| <b>Protein Pathways</b> | Metabolic pathways, Nicotinate and nicotinamide metabolism                                                                                    |
| <b>Full Length</b>      | Full L.                                                                                                                                       |

## GENE INFORMATION

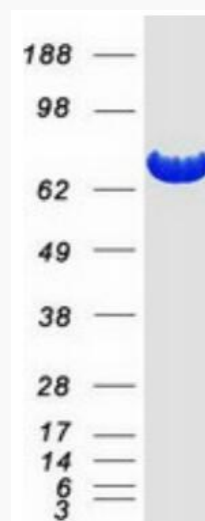
|                        |                                                   |
|------------------------|---------------------------------------------------|
| <b>Gene Name</b>       | NADSYN1 NAD synthetase 1 [ Homo sapiens (human) ] |
| <b>Official Symbol</b> | NADSYN1                                           |
| <b>Synonyms</b>        | VCRL3                                             |

 Tel: 1-631-559-9269 1-516-512-3133

 Email: [info@creative-biomart.com](mailto:info@creative-biomart.com)  Fax: 1-631-938-8127

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

|                |             |
|----------------|-------------|
| 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.