

Product datasheet for **TP300544**

NADK (NM_023018) Human Recombinant Protein

Product data:

Product Type: Recombinant Proteins
Description: Recombinant protein of human NAD kinase (NADK), 20 µg
Species: Human
Expression Host: HEK293T
Expression cDNA Clone or AA Sequence: >RC200544 protein sequence
Red=Cloning site **Green**=Tags(s)

MEMEQEKMTMKNELSPDAAAYCCSACHGDETWSYNHPIRGRAKSRSLASALGSTKEFRRTSLHGPC
P
VTTFGPKACVLQNPQTIMHIQDPASQRLTWNKSPKSVLVIKKMRDASLLQPFKELCTHLMEENMIVYVEK
KVLEDPAIASDESGAVKKKFFCTFREDYDDISNQIDFIICLGGDGLLYASSLFQGSVPPVMAFHLSLG
FLTPFSFENFQSQVTQVIEGNAAVLRSLKVRVVKELRGKKTAVHNGLGEKGSQAAGLDMDVGVKQAMQ
Y
QVLNEVIDRGPSSYLSNVDVYLDGHLITTVQGDGVIVSTPTGSTAYAAAAGASMIHPNVPAIMITPICP
HLSLFRPIVVPAGVELKIMLSPEARNTAWVSFDGRKRQEIRHGDSISITTSYPLPSICVRDPVSDWFES
LAQLHWNVRKKQAHFEFFFFFFEG

TRTRPLEQKLISEEDLAANDILDYKDDDDKV

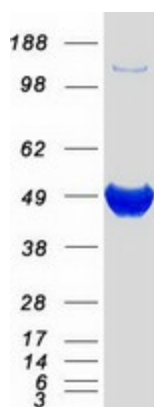
Tag: C-Myc/DDK
Predicted MW: 49 kDa
Concentration: >0.05 µg/µL as determined by microplate BCA method
Purity: > 80% as determined by SDS-PAGE and Coomassie blue staining
Buffer: 25 mM Tris-HCl, 100 mM glycine, pH 7.3, 10% glycerol
Preparation: Recombinant protein was captured through anti-DDK affinity 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.
Storage: Store at -80°C.



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| 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_075394 |
| Locus ID: | 65220 |
| UniProt ID: | O95544 |
| RefSeq Size: | 3244 |
| Cytogenetics: | 1p36.33 |
| RefSeq ORF: | 1338 |
| Synonyms: | dj283E3.1 |
| Summary: | NADK catalyzes the transfer of a phosphate group from ATP to NAD to generate NADP, which in its reduced form acts as an electron donor for biosynthetic reactions (Lerner et al., 2001 [PubMed 11594753]).[supplied by OMIM, Mar 2008] |
| Protein Families: | Druggable Genome |
| Protein Pathways: | Metabolic pathways, Nicotinate and nicotinamide metabolism |

Product images:



Coomassie blue staining of purified NADK protein (Cat# TP300544). The protein was produced from HEK293T cells transfected with NADK cDNA clone (Cat# [RC200544]) using MegaTran 2.0 (Cat# [TT210002]).