

Product datasheet for **AR50394PU-N**

NRK1 / C9orf95 (1-199, His-tag) Human Protein

Product data:

| | |
|---------------------------------------|---|
| Product Type: | Recombinant Proteins |
| Description: | NRK1 / C9orf95 (1-199, His-tag) human recombinant protein, 0.5 mg |
| Species: | Human |
| Expression Host: | E. coli |
| Expression cDNA Clone or AA Sequence: | MGSSHHHHHH SSGLVPRGSH MGSMKTFIIG ISGVTNSGKT TLAKNLQKHL PNCSVISQDD FFKPESEIET DKNGLFLQYDV LEALNMEKMM SAISCWMESA RHSVSTDQE SAEIPIILII EGFLLFNYKP LDTIWNRSYF LTIPYEECKR RRSTRVYQPP DSPGYFDGHV WPMYLKYRQE MQDITWEVVY LDGDKSEEDL FLQVYEDLIQ ELAKQKCLQV TA |
| Tag: | His-tag |
| Predicted MW: | 25.6 kDa |
| Concentration: | lot specific |
| Purity: | >90% by SDS - PAGE |
| Buffer: | Presentation State: Purified State: Liquid purified protein Buffer System: 20 mM Tris-HCl buffer, pH 8.0, 10% glycerol, 2 mM DTT, 200 mM NaCl |
| Preparation: | Liquid purified protein |
| Protein Description: | Recombinant human NRK1 protein, fused to His-tag at N-terminus, was expressed in E.coli and purified by using conventional chromatography techniques. |
| Storage: | Store undiluted at 2-8°C for one week or (in aliquots) at -20°C to -80°C for longer. Avoid repeated freezing and thawing. |
| Stability: | Shelf life: one year from despatch. |
| RefSeq: | NP_001121075 |
| Locus ID: | 54981 |
| UniProt ID: | Q9NWW6 |
| Cytogenetics: | 9q21.13 |
| Synonyms: | bA235O14.2; C9orf95; NRK1 |



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Summary:

Nicotinamide adenine dinucleotide (NAD⁺) is essential for life in all organisms, both as a coenzyme for oxidoreductases and as a source of ADP-ribosyl groups used in various reactions. Nicotinic acid and nicotinamide, collectively known as niacin, are the vitamin precursors of NAD⁺. Nicotinamide riboside kinases, such as NRK1, function to synthesize NAD⁺ through nicotinamide mononucleotide using nicotinamide riboside as the precursor (Bieganski and Brenner, 2004 [PubMed 15137942]).[supplied by OMIM, Mar 2008]

Protein Pathways:

Nicotinate and nicotinamide metabolism

Product images: