

32-3391: C9ORF95 Recombinant Protein

Alternative Name : Nicotinamide riboside kinase 1, NRK 1, NmR-K 1, Nicotinic acid riboside kinase 1, Ribosylnicotinamide kinase 1, RNK 1, Ribosylnicotinic acid kinase 1, NMRK1, C9orf95, NRK1, bA235O14.2, RP11-235O14.2.

Description

Source : Escherichia Coli. C9ORF95 Human Recombinant produced in E.Coli is a single, non-glycosylated polypeptide chain containing 222 amino acids (1-199 a.a) and having a molecular mass of 25.6kDa. C9ORF95 is fused to a 23 amino acid His-tag at N-terminus & purified by proprietary chromatographic techniques. Chromosome 9 Open Reading Frame 95 (C9ORF95/NRK1) is a member of the uridine kinase family. NAD⁺ is vital for life in all organisms, both as a coenzyme for oxidoreductases and as a source of ADPribosyl groups used in countless reactions, including those which delay aging in experimental systems. Nicotinic acid and nicotinamide are defined as the vitamin precursors of NAD⁺. C9ORF95 catalyzes the phosphorylation of nicotinamide riboside (NR) and nicotinic acid riboside (NaR) to form nicotinamide mononucleotide (NMN) and nicotinic acid mononucleotide (NaMN). C9ORF95 also phosphorylates the antitumor drugs tiazofurin and 3-deazaguanosine.

Product Info

Amount : 20 µg
Purification : Greater than 90.0% as determined by SDS-PAGE.
Content : C9ORF95 protein solution (0.5mg/ml) containing 20mM Tris-HCl buffer, pH8.0, 10% glycerol, 2mM DTT and 200mM NaCl.
Storage condition : Store at 4°C if entire vial will be used within 2-4 weeks. Store, frozen at -20°C for longer periods of time. For long term storage it is recommended to add a carrier protein (0.1% HSA or BSA). Avoid multiple freeze-thaw cycles.
Amino Acid : MGSSHHHHHH SSGLVPRGSH MGSMKTFIIG ISGVTNSGKT TLAKNLQKHL PNCSVISQDD FFKPESEIET DKNQFLQYDV LEALNMEKMM SAISCWMESA RHSVVSTDQE SAEIPIILII EGFLLFNYPK LDTIWNRSYF LTIPYEECKR RRSTRVYQPP DSPGYFDGHV WPMYLYRQE MQDITWEVVY LDGKSEEDL FLQVYEDLIQ ELAKQKCLQV TA.