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NDUFV2, 33-249aa, Human, His tag, E.coli

产品货号: TP03134

第三版

别名:NADH dehydrogenase [ubiquinone] flavoprotein 2, CI-24k

描述:The NADH-ubiquinone oxidoreductase complex (complex I) of the mitochondrial respiratory chain catalyzes the transfer of electrons from NADH to ubiquinone, and consists of at least 43 subunits. The complex is located in the inner mitochondrial membrane. NDUFV2 is the 24 kDa subunit of complex I, and is involved in electron transfer. Mutations in this gene are implicated in Parkinson's disease, bipolar disorder, schizophrenia, and have been found in one case of early onset hypertrophic cardiomyopathy and encephalopathy. A non-transcribed pseudogene of this locus is found on chromosome 19. Recombinant human NDUFV2 protein, fused to His-tag at N-terminus, was expressed in E.coli and purified by using conventional chromatography techniques.

配方:Liquid. In 20mM Tris-HCl buffer (pH 8.0) containing 0.15M NaCl, 10% glycerol, 1mM DTT

分子量:26.1 kDa (240aa) confirmed by MALDI-TOF

序列:

MGSSHHHHHSSGLVPRGSHMGSGAGGALFVHRDTPENNPDPDFDTPENYKRIEAIIVKNYPEGHKAAAVLPVLDLAQ
RQNGWLPISAMNKVAEVLQVPPMRVYEVATFYTMYNRKPVGKYHIQVCTTTPCMLRNSDSILEAIQKGLGIKVGGETTPD
KLFTLIEVECLGACVNAPMVQINDNYIEDLTAKDIEEIIIDELKAGKIPKPGPRSGRFSCPEAGGLTSLTEPPKGPFGVQAGL

纯度:> 95% by HPLC

浓度:1 mg/ml (determined by Bradford assay)

内毒素:<1.0 EU per 1 ug of protein (determined by LAL method)

存储: +4 ° C 保存 (1-2 周). 长期保存在-20 ° C或者-70 ° C. 避免反复冻融.