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NDUFS2, 77-463aa, Human, His tag, E.coli

产品货号: TP03129

第三版

别名:NADH dehydrogenase [ubiquinone] iron-sulfur protein 2, mitochondrial isoform 1 precursor, CI-49

描述:NADH dehydrogenase [ubiquinone] iron-sulfur protein 2, mitochondrial isoform 1 precursor, also known as NDUFS2, is a 463 amino acid protein that is suggested to be required for catalytic activity. Defects in NDUFS2 are the cause of complex I mitochondrial respiratory chain deficiency, which is characterized by a variety of symptoms including liver failure, cardiomyopathy and neurodegeneration. Located in the mitochondrial inner membrane, mitochondrial complex I is the first and largest enzyme in the electron transport chain of oxidative phosphorylation. Recombinant human NDUFS2 protein, fused to His-tag at N-terminus, was expressed in E.coli.

配方:Liquid. In 20mM Tris-HCl buffer (pH 8.0) containing 0.4M Urea, 10% glycerol

分子量:46.5kDa (410aa)

序列:

MGSSHHHHHSSGLVPRGSHMGSVKNITLNFQPQHPAAHGVLRRLVMELSGEMVRKCDPHIGLLHRGTEKLIETYKTYLQ  
ALPYFDRLDYVSMCMNEQAYSLAVEKLLNIRPPRAQWIRVLFGEITRLLNHIMAVTTHALDLGAMTPFFWLFEEREKMF  
FYERVSGARMHAAAYIRPGGVHQDLPLGLMDDIYQFSKNFSLRLDELEELLTNNRIWRNRTIDIGVVTAAEALNYGFSGVML  
RSGIQWDLRKTQPYDVYDQVEFDVPVSGRGDCYDRYLGRVEEMRQSLRIIAQCLNKMPGGEIKVDDAKVSPKRAEMK  
TSMESLIHHFKLYTEGYQVPPGATYTAIEAPKGEFGVYLVSDGSSRPYRCKIKAPGFAHLAAGLDKMSKGMHMLADVVAIIGT  
QDIVFGEVDR

纯度:> 95% by HPLC

浓度:0.25 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.