

Histidine NADH Dehydrogenase Fe-S Protein 2 Human Recombinant

Item Number	rAP-1040
Synonyms	CI-49 , NADH dehydrogenase [ubiquinone] iron-sulfur protein 2, mitochondrial, Complex I-49kD, CI-49kD, NADH-ubiquinone oxidoreductase 49 kDa subunit, NDUFS2.
Description	NDUFS2 Human Recombinant produced in E.coli is a single, non-glycosylated polypeptide chain containing 410 amino acids (77-463a.a) and having a molecular mass of 46.5kDa. NDUFS2 is fused to a 23 amino acid His-tag at N-terminus & purified by proprietary chromatographic techniques.
Uniprot Accession Number	O75306
Amino Acid Sequence	MGSSHHHHH SSGLVPRGSH MGSVKNITLN FGPQHAAHG VLRLVMELSG EMVRKCDPHI GLLHR-GTEKL IEYKTYLQAL PYFDRLDYVS MMCNEQAYSL AVEKLLNIRP PPRAQWIRVL FGEITRLNH IMAVTTHALD LGAMTPFFWL FEEREKMFEE YERVSGARMH AAYIRPGGVH QDLPLGLMDD IYQF-SKNFSL RLDELEELLT NNRIWRNRTI DIGVVTAEAA LNYGFSGVML RSGSIQWDLR KTQPYDVYDQ VEFDVPVGSR GDCYDRYLCR VEEMRQSLRI IAQCLNKMPPE GEIKVDDAKV SPPKRAEMKT SMES-LIHHFK LYTEGYQVPP GATYTAIEAP KGEFGVYLVSDGSSRPYRCK IKAPGFAHLA GLDKMSKGHM LADVVAIIGT QDIVFGEVDR.
Source	Escherichia Coli.
Physical Appearance and Stability	Sterile Filtered clear solution. 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.
Formulation and Purity	The NDUFS2 solution (0.25mg/ml) contains 20mM Tris-HCl buffer (pH 8.0), 0.4M Urea and 10% glycerol. Greater than 80% as determined by SDS-PAGE.
Application	
Solubility	
Biological Activity	
Shipping Format and Condition	Lyophilized powder at room temperature.

Optimal dilutions should be determined by each laboratory for each application. The listed dilutions are for recommendation only and the final conditions should be optimized by the ender users! This product is sold for **Research Use Only**