9051 Mira Mesa Blvd, #910094
San Diego, CA 92191
Tel: 760-390-3989

NFU1 Human

NFU1 Human Recombinant
RCP1490

Product Overview

Name	NFU1 Human
Description	
NFU1 Human Recombinant	
Accession (Primary)	Q9UMS0
Synonyms	
CGI-33, HIRIP, HIRIP5, MMDS1, Nfu, NifU, NIFUC, NFU1 iron-sulfur cluster scaffold homolog, mitochondrial, HIRA-interacting protein 5.	
Introduction	
NFU1 is a protein which is localized to mitochondria and plays a vital role in iron-sulfur cluster biogenesis. The NFU1 protein constructs and transfers 4Fe-4S clusters to target apoproteins including succinate dehydrogenase and lipoic acid synthase. NFU1 gene mutations cause multiple mitochondrial dysfunctions syndrome-1, and pseudogenes of the NFU1 gene are located on the short arms of chromosomes 1 and 3.	
Source	
Escherichia Coli.	
Physical Appearance	
Sterile Filtered clear solution.	
Formulation	
NFU1 protein solution (0.5mg/ml) containing Phosphate buffer saline (pH 7.4), 20% glycerol and 1mM DTT.	
Stability	
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.	
Purity	
Greater than 90.0% as determined by SDS-PAGE.	
Amino acid sequence	
MGSSHHHHHH SSGLVPRGSH MGS GAAAVAA GLRRRFCHML KNPYTIKKQP LHQFVQRPLF PLPAAFYHPV RYMFIQTQDT PNPNSLKFIP GKPVLETRTM DFPTPAAAFR SPLARQLFRI EGVKSVFFGP DFITVTKENE ELDWNLLKPD IYATIMDFFA SGLPLVTEET PSGEAGSEED DEVVAMIKEL LDTRIRPTVQ EDGGDVIYKG FEDGIVQLKL QGSCTSCPSS IITLKNGIQN MLQFYIPEVE GVEQVMDDES DEKEANSP.	

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Precautions

NFU1 Human is for research use only and not for use in diagnostic or therapeutic procedures.

Target Information: (Q9UMS0)