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32-4315: Recombinant Human NFU1

Alternative Name : CGI-33,HIRIP,HIRIP5,MMDS1,Nfu,NifU,NIFUC,NFU1 iron-sulfur cluster scaffold homolog,mitochondrial,HIRA-interacting protein 5.

Description

Source : Escherichia Coli. NFU1 Human Recombinant produced in E.Coli is a single, non-glycosylated polypeptide chain containing 268 amino acids (10-254 a.a) and having a molecular mass of 29.9kDa.NFU1 is fused to a 23 amino acid His-tag at N-terminus & purified by proprietary chromatographic techniques. 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.

Product Info

Amount :	20 µg
Purification :	Greater than 90.0% as determined by SDS-PAGE.
Content :	NFU1 protein solution (0.5mg/ml) containing Phosphate buffer saline (pH 7.4), 20% glycerol and 1mM DTT.
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 MGSGAAAVAA 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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