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NFU1, 10-254aa Human, His tag, E.coli

产品货号: TP03152

第三版

别名:NFU1 iron-sulfur cluster scaffold homolog, mitochondrial, CGI-33, HIRIP, HIRIP5, MMDS1, Nfu, NifU, NIFUC

**描述:**NFU1 is a protein that is localized to mitochondria and plays a critical role in iron-sulfur cluster biogenesis. This protein assembles and transfers 4Fe-4S clusters to target apoproteins including succinate dehydrogenase and lipoic acid synthase. Mutations in this gene are a cause of bmultiple mitochondrial dysfunctions syndrome-1, and pseudogenes of this gene are located on the short arms of chromosomes 1 and 3. Alternatively spliced transcript variants encoding multiple isoforms have been observed for this gene. Recombinant human NFU1 protein, fused to His-tag at N-terminus, was expressed in E.coli and purified by using conventional chromatography techniques.

**配方:**Liquid. In Phosphate buffer saline (pH 7.4) containing 20% glycerol 1mM DTT

**分子量:**29.9 kDa (268aa) confirmed by MALDI-TOF

**序列:**

MGSSHHHHHSSGLVPRGSHMGSGAAVAAGLRRRFCHMLKNPYTIKKQPLHQFVQRPLFPLPAAFYHPVRYMFIQTQ  
DTPNPNSLKFIPGKPVLETRTMDFPTPAAAFRSPLARQLFRIEGVKS VFFGPDFITVTKENEELDWNLLKPDYATIMDFFASG  
LPLVTEETPSGEAGSEEDDEVVAMIKELLDTRIRPTVQEDGGDVIYKGFEDGIVQLKLQGSCTSCPSSIITLKNGIQNMLQFY  
IPEVEGVEQVMDDDESDEKEANSP

**纯度:**> 95% by HPLC

**浓度:**0.5 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.