

# Recombinant Human NARF Protein, Myc/DDK-tagged, C13 and N15-labeled

Cat. No. NARF-6610H Lot. No. (See product label)

## SPECIFICATION

<b>Product Overview</b>	NARF MS Standard C13 and N15-labeled recombinant protein (NP_036468) with a C-terminal MYC/DDK tag, was expressed in HEK293 cells.
<b>Species</b>	Human
<b>Source</b>	HEK293
<b>Description</b>	<p>Several proteins have been found to be prenylated and methylated at their carboxyl-terminal ends. Prenylation was initially believed to be important only for membrane attachment. However, another role for prenylation appears to be its importance in protein-protein interactions. The only nuclear proteins known to be prenylated in mammalian cells are prelamin A- and B-type lamins. Prelamin A is farnesylated and carboxymethylated on the cysteine residue of a carboxyl-terminal CaaX motif. This post-translationally modified cysteine residue is removed from prelamin A when it is endoproteolytically processed into mature lamin A. The protein encoded by this gene binds to the prenylated prelamin A carboxyl-terminal tail domain. It may be a component of a prelamin A endoprotease complex. The encoded protein is located in the nucleus, where it partially colocalizes with the nuclear lamina. It shares limited sequence similarity with iron-only bacterial hydrogenases. Alternatively spliced transcript variants encoding different isoforms have been identified for this gene, including one with a novel exon that is generated by RNA editing.</p>
<b>Molecular Mass</b>	51 kDa

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**AA Sequence**

MKCEHCTRKECSKKTCTDDQENV SADAPSPAQENGEKGEFHKLADAKIFLSDCLAC  
 DSCMTAEEGVQLSQQNAKDFFRVLNLNKKCDTSKHKVLLVSVCPQSLPYFAAKFNL  
 SVTDASRRLCGFLKSLGVHYVFDTTIAADFSILESQKEFVRRYRQHSEEERTLPMLTS  
 ACPGWVRYAERVLGRPITAHLC TAKSPQQVMGSLVKDYFARQQNLSPEKIFHVIVAP  
 CYDKKLEALQESLPPALHGSRGADCVLTSGEIAQIMEQGDLSVRDAAVDTLFGDLKE  
 DKVTRHDGASSDGH LAHIFRHA AKELFNEDVEEV TYRALRNKDFQEV TLEKNGEVV  
 LRFAAAYGFRNIQN MILK LKKGKFPFHFVEVLACAGGCLNGRGQAQTPDGHADKAL  
 LRQMEGIYADIPVRRPESSAHVQELYQEWLEGINS PKAREVLHTTYQS QERGT HSL  
 DIKWSGPTRTRRLEQKLISEEDLAANDILDYKDDDDKV

**Purity** > 80% as determined by SDS-PAGE and Coomassie blue staining

**Stability** Stable for 3 months from receipt of products under proper storage and handling conditions.

**Storage** Store at -80 centigrade. Avoid repeated freeze-thaw cycles.

**Concentration** 50 µg/mL as determined by BCA

**Storage Buffer** 100 mM glycine, 25 mM Tris-HCl, pH 7.3.

## GENE INFORMATION

**Gene Name** NARF nuclear prelamina A recognition factor [ Homo sapiens (human) ]

**Official Symbol** NARF

**Synonyms** NARF; nuclear prelamina A recognition factor; DKFZp434G0420; FLJ10067; IOP2; iron only hydrogenase like protein 2; iron-only hydrogenase-like protein 2; prenyl-dependent prelamina A binding protein;

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**Gene ID** 26502

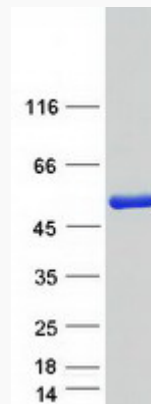
**mRNA Refseq** NM\_012336

**Protein Refseq** NP\_036468

**MIM** 605349

**UniProt ID** Q9UHQ1

**SDS-PAGE**



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