

Recombinant Human NARF Protein, MYC/DDK-tagged

Cat. No. NARF-264H Lot. No. (See product label)

SPECIFICATION

Product Overview Recombinant human NARF protein, fused to MYC/DDK tag at C-terminus, was expressed in HEK293.

Species Human

Source HEK293

Description 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. [provided by RefSeq, Jul 2008].

Form 25 mM Tris.HCl, pH 7.3, 100 mM glycine, 10 % glycerol.

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Molecular Mass	51 kDa
Purity	> 80% as determined by SDS-PAGE and Coomassie blue staining
Concentration	>50 ug/mL as determined by microplate BCA method

GENE INFORMATION

Gene Name	nuclear prelamin A recognition factor [Homo sapiens]
Official Symbol	NARF
Synonyms	IOP2; IOP2
Gene ID	26502
mRNA Refseq	NM_001038618.2
Protein Refseq	NP_001033707.1
MIM	605349
UniProt ID	Q9UHQ1

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