Recombinant Human NARF, His-tagged

Cat. No. NARF-30280TH **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant fragment, corresponding to amino acids 1-322 of Human NARF Isoform 2 with an N terminal His tag; Predicted MWt 37 kDa.
Species	Human
Source	E.coli
ProteinLength	1-322 a.a.
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.

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Conjugation	HIS
Form	Lyophilised:Reconstitute with 125 µl aqua dest.
Storage buffer	Preservative: NoneConstituents: 0.5% Trehalose, 6M Urea, 100mM Sodium phosphate, 10mM Sodium chloride, pH 4.5
Storage	Shipped at 4°C. Upon delivery aliquot and store at -80oC. Avoid freeze / thaw cycles.
Sequences of amino acids	MKCEHCTRKECSKKTKTDDQENVSADAPSPAQENGEKGEF HKLADAKIFLSDCLA CDSCMTAEEGVQLSQQNAKDFFR VLNLNKKCDTSKHKVLVVSVCPQSLPYFAAKF NLSVTD ASRRLCGFLKSLGVHYVFDTTIAADFSILESQKEFVRR YRQHSEEERTLPM LTSACPGWVRYAERVLGRPITAHLCTA KSPQQVMGSLVKDYFARQQNLSPEKIFHV IVAPCYDKK LEALQESLPPALHGSRGADCVLTSEISQAWWCTPVITA TREAAARESL EPGRQRLQRDKIAPLDSSLGGGGEIAQI MEQGDLSVRDAAVD

GENE INFORMATION

Gene Name	NARF nuclear prelamin A recognition factor [Homo sapiens]
Official Symbol	NARF
Synonyms	NARF; nuclear prelamin A recognition factor; DKFZp434G0420; FLJ10067; IOP2; iron only hydrogenase like protein 2;
Gene ID	26502
mRNA Refseq	NM_001038618
Protein Refseq	NP_001033707

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MIM	605349
Uniprot ID	Q9UHQ1
Chromosome Location	17q25.3
Function	lamin binding;

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