



# Recombinant Human Nuclear prelamina A recognition factor (NARF)

<b>Product Code</b>	CSB-MP015454HU
<b>Abbreviation</b>	NARF
<b>Storage</b>	The shelf life is related to many factors, storage state, buffer ingredients, storage temperature and the stability of the protein itself. Generally, the shelf life of liquid form is 6 months at -20°C/-80°C. The shelf life of lyophilized form is 12 months at -20°C/-80°C.
<b>Uniprot No.</b>	Q9UHQ1
<b>Product Type</b>	Recombinant Protein
<b>Immunogen Species</b>	Homo sapiens (Human)
<b>Purity</b>	≥85% (SDS-PAGE)
<b>Sequence</b>	MKCEHCTRKE CSKKTCTDDQ ENVADAPSP AQENGEKGEF HKLADAKIFL SDCLACDSCM TAEEGVQLSQ QNAKDFFRVL NLNKKCDTSK HKVLVSVVCP QSLPYFAAKF NLSVTDASRR LCGFLKSLGV HYVFDTTIAA DFSILESQKE FVRRYRQHSE EERTLPMLTS ACPGWVRYAE RVLGRPITAH LCTAKSPQQV MGSLVKDYFA RQQNLSPEKI FHVIVAPCYD KKLEALQESL PPALHGSRGA DCVLTSGEIA QIMEQGDLSV RDAAVDTLFG DLKEDKVTRH DGASSDGHLA HIFRHAAKEL FNEDVEEVTY RALRNKDFQE VTLEKNGEVV LRFAAAYGFR NIQNMILKLGKGFPPHFVE VLACAGGCLN GRGQAQTPDG HADKALLRQM EGIYADIPVR RPESAHVQE LYQEWLEGIN SPKAREVLHT TYQSQERGTH SLDIKW
<b>Source</b>	Mammalian cell
<b>Target Names</b>	NARF
<b>Protein Names</b>	Recommended name: Nuclear prelamina A recognition factor Alternative name(s): Iron-only hydrogenase-like protein 2 Short name= IOP2
<b>Expression Region</b>	1-456
<b>Notes</b>	Repeated freezing and thawing is not recommended. Store working aliquots at 4°C for up to one week.
<b>Tag Info</b>	Tag type will be determined during the manufacturing process.
<b>Protein Length</b>	full length protein
<b>Target Details</b>	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 prelamina A- and B-type lamins. Prelamina A is farnesylated and carboxymethylated on the cysteine residue of a carboxyl-terminal CaaX motif. This post-translationally modified cysteine residue is removed from prelamina A when it is endoproteolytically processed into mature



lamin A. This protein 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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**Reconstitution**

We recommend that this vial be briefly centrifuged prior to opening to bring the contents to the bottom. Please reconstitute protein in deionized sterile water to a concentration of 0.1-1.0 mg/mL. We recommend to add 5-50% of glycerol (final concentration) and aliquot for long-term storage at -20°C/-80°C. Our default final concentration of glycerol is 50%. Customers could use it as reference.

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**Shelf Life**

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