

Datasheet for ABIN7549820
NRF1 Protein (AA 1-503) (His tag)



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Overview

Quantity:	1 mg
Target:	NRF1
Protein Characteristics:	AA 1-503
Origin:	Human
Source:	HEK-293 Cells
Protein Type:	Recombinant
Purification tag / Conjugate:	This NRF1 protein is labelled with His tag.
Application:	Western Blotting (WB), SDS-PAGE (SDS)

Product Details

Purpose:	Custom-made recombinat NRF1 Protein expressed in mammalien cells.
Sequence:	<p>MEEHGVQTQE HMATIEAHAV AQQVQQVHVA TYTEHSMLSA DEDSPSSPED TSYDDSDILN STAADEVTAH LAAAGPVGMA AAAAVATGKK RKRPHVFESN PSIRKRQQTR LLRKLRLATLD EYTRRVGQQA IVLCISPSKP NPVFKVFGAA PLENVVRKYK SMILEDLESA LAEHAPAPQE VNSELPPLTI DGIPVSVDKM TQAQLRAFIP EMLKYSTGRG KPGWGKESCK PIWWPEDIPW ANVRSDVRTE EQKQRVSWTQ ALRTIVKNCY KQHGRELLY AFEDQQTQTQ ATATHSIAHL VPSQTVVQTF SNP DGTVSLI QVGTGATVAT LADASELPTT VTVAQVNYSA VADGEVEQNW ATLQGGEMTI QTTQASEATQ AVASLAEAAV AASQEMQQGA TVTMALNSEA AAHAVATLAE ATLQGGGQIV LSGETAAAVG ALTGVQDANG LVQIPVSMYQ TVVTSLAQGN GPVQVAMAPV TTRISDSAVT MDGQAVEVVT LEQ Sequence without tag. The proposed Purification-Tag is based on experiences with the expression system, a different complexity of the protein could make another tag necessary. In case you have a special request, please contact us.</p>

Product Details

Characteristics:

Key Benefits:

- Made to order protein - from design to production - by highly experienced protein experts.
- Protein expressed in mammalian cells and purified in one-step affinity chromatography
- The optimized expression system ensures reliability for intracellular, secreted and transmembrane proteins.
- State-of-the-art algorithm used for plasmid design (Gene synthesis).

This protein is a made-to-order protein and will be made for the first time for your order. Our experts in the lab try to ensure that you receive soluble protein.

If you are not interested in a full length protein, please contact us for individual protein fragments.

The big advantage of ordering our made-to-order proteins in comparison to ordering custom made proteins from other companies is that there is no financial obligation in case the protein cannot be expressed or purified.

Purity:

> 90 % as determined by Bis-Tris Page, Western Blot

Grade:

custom-made

Target Details

Target:

NRF1

Alternative Name:

NRF1 ([NRF1 Products](#))

Background:

Nuclear respiratory factor 1 (NRF-1) (Alpha palindromic-binding protein) (Alpha-pal),FUNCTION: Transcription factor that activates the expression of the EIF2S1 (EIF2-alpha) gene. Links the transcriptional modulation of key metabolic genes to cellular growth and development. Implicated in the control of nuclear genes required for respiration, heme biosynthesis, and mitochondrial DNA transcription and replication.

Molecular Weight:

53.5 kDa

UniProt:

[Q16656](#)

Pathways:

[Regulation of Lipid Metabolism by PPARalpha](#)

Application Details

Application Notes:

In addition to the applications listed above we expect the protein to work for functional studies as well. As the protein has not been tested for functional studies yet we cannot offer a

Application Details

guarantee though.

Restrictions: For Research Use only

Handling

Format: Liquid

Buffer: The buffer composition is at the discretion of the manufacturer.

Handling Advice: Avoid repeated freeze-thaw cycles.

Storage: -80 °C

Storage Comment: Store at -80°C.

Expiry Date: 12 months