

Recombinant human NDUFAF4 protein

Catalog Number: ATGP1767

PRODUCT INFORMATION

Expression system

E.coli

Domain

1-175aa

UniProt No.

Q9P032

NCBI Accession No.

NP_054884

Alternative Names

NADH dehydrogenase [ubiquinone] 1 alpha subcomplex assembly factor 4, bA22L21.1, C6orf66, HRPAP20, HSPC125, My013, NADH:ubiquinone oxidoreductase complex assembly factor 4, Hormone-regulated proliferation-associated protein of 20 kDa

PRODUCT SPECIFICATION

Molecular Weight

22.7 kDa (198aa) confirmed by MALDI-TOF

Concentration

0.5mg/ml (determined by Bradford assay)

Formulation

Liquid in. 20mM Tris-HCl buffer (pH 8.0) containing 0.15M NaCl, 10% glycerol, 1mM DTT

Purity

> 85% by SDS-PAGE

Tag

His-Tag

Application

SDS-PAGE

Storage Condition

Can be stored at +2C to +8C for 1 week. For long term storage, aliquot and store at -20C to -80C. Avoid repeated freezing and thawing cycles.

BACKGROUND

Description

DH dehydrogenase [ubiquinone] 1 alpha subcomplex assembly factor 4, also known as NDUFAF4, is involved in the assembly of mitochondrial NADH: ubiquinone oxidoreductase complex (complex I). This protein may be involved in cell proliferation and survival of hormone-dependent tumor cells. This protein may be a regulator of breast tumor cell invasion. Recombinant human NDUFAF4 protein, fused to His-tag at N-terminus, was expressed

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in E. coli and purified by using conventional chromatography techniques.

Amino acid Sequence

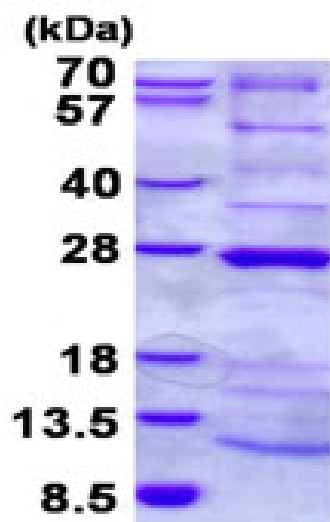
MGSSHHHHHHH SGLVPRGSH MGSMGALVIR GIRNFLENR AEREISKMKP SVAPRHPSTN SLLREQISLY PEVKGEIARK
DEKLLSFLKD VYVDSKDPVS SLQVCAAETC QEPKEFRLPK DHHFDMINIK SIPKGGKISIV EALTLLNNHK LPETWTAEK
IMQEYQLEQK DVNSLLKYFV TFEVEIFPPE DKKAIRSK

General References

Karp C.M., et al. (2007) *Oncogene*. 26:1780-1788
Saada A., et al. (2008) *Am. J. Hum. Genet.* 82:32-38

DATA

SDS-PAGE



3ug by SDS-PAGE under reducing condition and visualized by coomassie blue stain.

15% SDS-PAGE (3ug)