abcam

Product datasheet

Recombinant Human NENF protein ab139226

1 Image

Description

Product name	Recombinant Human NENF protein
Purity	> 95 % SDS-PAGE. ab139226 is purified using Ni-NTA chromatography.
Expression system	Escherichia coli
Accession	Q9UMX5
Protein length	Full length protein
Animal free	No
Nature	Recombinant
Species	Human
Sequence	MKHHHHHHAS GQTPRPAERG PPVRLFTEEE LARYGGEEED QPIYLAVKGV VFDVTSGKEF YGRGAPYNAL TGKDSTRGVA KMSLDPADLT HDTTGLTAKE LEALDEVFTK VYKAKYPIVG YTARRILNED GSPNLDFKPE DQPHFDIKDE F
Predicted molecular weight	16 kDa
Amino acids	31 to 172
Tags	His tag N-Terminus

Specifications

Our **Abpromise guarantee** covers the use of **ab139226** in the following tested applications.

The application notes include recommended starting dilutions; optimal dilutions/concentrations should be determined by the end user.

Applications	SDS-PAGE Western blot ELISA
Form	Lyophilized

Preparation and Storage

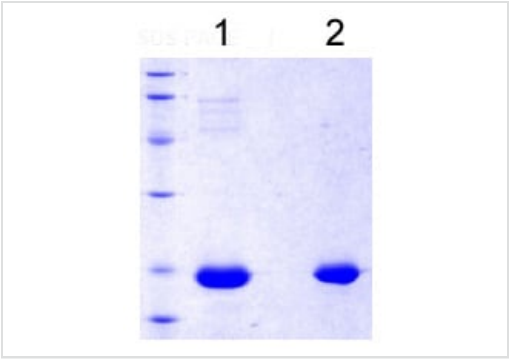
Stability and Storage	Shipped at 4°C. Store at -80°C.

	Constituents: 99% Phosphate Buffer, 0.43% Sodium chloride
Reconstitution	Add 200µl of deionized water to prepare a working stock solution of 0.5 mg/mL and let the lyophilized pellet dissolve completely. Product is not sterile! Please filter the product by an appropriate sterile filter before using it in the cell culture. Aliquot reconstituted protein to avoid repeated freezing/thawing cycles and store at –80°C for long term storage. Reconstituted protein can be stored at 4°C for a week.

General Info

Function	Displays neurotrophic activity and activates phosphorylation of MAPK1/ERK2, MAPK3/ERK1 and AKT1/AKT in primary cultured neurons. Does not have mitogenic activity in primary cultured astrocytes. May play a role on neuronal differentiation and may have a transient effect on neural cell proliferation in neural precursor cells. Neurotrophic activity is enhanced by binding to heme.
Sequence similarities	Belongs to the cytochrome b5 family. MAPR subfamily. Contains 1 cytochrome b5 heme-binding domain.
Domain	The cytochrome b5 heme-binding domain was proven to bind heme, although it lacks the conserved iron-binding His residue at position 82.
Cellular localization	Secreted > extracellular space.

Images



SDS-PAGE - Recombinant Human NENF protein (ab139226)

14% SDS-PAGE separation of Human NENF
Left: M.W. marker – 97, 66, 45, 31, 21, 14 kDa
Lane 1: reduced and boiled sample, 2.55µg/lane.
Lane 2: non-reduced and non-boiled sample, 2.55µg/lane.

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- Response to your inquiry within 24 hours
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