9051 Mira Mesa Blvd, #910094
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NENF Human

Neudesin Neurotrophic Factor Human Recombinant
NTR0044

Product Overview

Name	NENF Human
Description	
Neudesin Neurotrophic Factor Human Recombinant	
Accession (Primary)	Q9UMX5
Synonyms	
Neudesin, Cell immortalization-related protein 2, Neuron-derived neurotrophic factor, Secreted protein of unknown function, SPUF protein, NENF, CIR2, SPUF, SCIRP10.	
Introduction	
Neudesin Neurotrophic Factor (NENF) is a member of the cytochrome b5 family, MAPR subfamily. NENF contains 1 cytochrome b5 heme-binding domain. NENF exhibits neurotrophic activity and activates phosphorylation of MAPK1/ERK2, MAPK3/ERK1 and AKT1/AKT in primary cultured neurons. NENF doesn't have mitogenic activity in primary cultured astrocytes. NENF may play a part in neuronal differentiation and may have a transient influence on neural cell proliferation in neural precursor cells. NENF neurotrophic activity is increased by binding to heme. NENF is up-regulated in immortal cells and induced in estrogen receptor positive breast cancer expressing progesterone receptor.	
Source	
Escherichia Coli.	
Physical Appearance	
Filtered White lyophilized (freeze-dried) powder.	
Formulation	
NENF was filtered (0.4 μm) and lyophilized from 0.5mg/ml in 0.05M phosphate buffer and 0.075M NaCl, pH 7.4.	
Stability	
Store lyophilized protein at -20°C. Aliquot the product after reconstitution to avoid repeated freezing/thawing cycles. Reconstituted protein can be stored at 4°C for a limited period of time; it does not show any change after two weeks at 4°C.	
Purity	
Greater than 95.0% as determined by SDS-PAGE.	
Amino acid sequence	

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MKHHHHHHAS GQTPRPAERG PPVRLFTEEE LARYGGEEED QPIYLAVKGV VFDVTSGKEF YGRGAPYNAL TGKDSTRGVA KMSLDPADLT HDTTGLTAKE LEALDEVFTK VYKAKYPIVG YTARRILNED GSPNLDFKPE DQPHFDIKDE F.

Solubility

It is recommended to add deionized water to prepare a working stock solution of approximately 0.5 mg/ml and let the lyophilized pellet dissolve completely. NENF is not sterile! Please filter the product by an appropriate sterile filter before using it in the cell culture.

Precautions

NENF Human is for research use only and not for use in diagnostic or therapeutic procedures.

Target Information: (Q9UMX5)