

Recombinant mouse Nesfatin-1/Nucleobindin-2 protein

Catalog Number: NUC0801

PRODUCT INFORMATION

Expression system

E.coli

Domain

25-420aa

UniProt No.

P81117

NCBI Accession No.

NP_058053

Alternative Names

Nucleobindin 2 isoform 2, Nucleobindin 2, Nefa, Calnuc, AI607786, Nucleobindin 2 isoform 2, Nucb2, mouse Nucb2, Nucleobindin 2 isoform 2 DNA binding protein NEFA, Gastric cancer antigen Zg4,

PRODUCT SPECIFICATION

Molecular Weight

49 kDa (417aa) confirmed by MALDI-TOF

Concentration

1mg/ml (determined by Bradford assay)

Formulation

Liquid in. 20mM Tris-HCl buffer (pH 8.0) containing 0.1M NaCl, 1mM EDTA

Purity

> 95% 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

Nucleobindin-2 (Nucb2) is a calcium-binding EF-hand protein. Nucb2 may be having a role in calcium homeostasis and multifunctional protein that interact with Ca (2+), nucleic acids and various regulatory proteins in different signaling pathways. In mouse brain, Nucb2 was localized in neuronal perikarya and dendrites. Recombinant mouse Nucb2 was expressed in E. coli and purified by conventional chromatography techniques.

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Amino acid Sequence

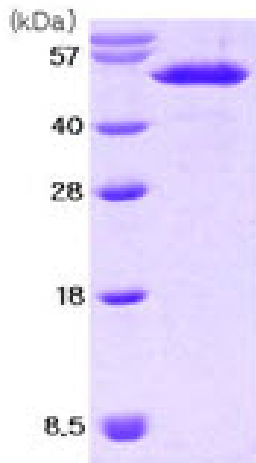
MGSSHHHHHH SSSLVPRGSH MVPIDVDKTK VHNTPEVENA RIEPPDTGLY YDEYLKQVIE VLETDPHFRE KLOKADIEEI
RSGRLSQELD LVSHKVRTRL DELKRQEVGR LRMLIKAKLD ALQDTGMNHH LLLKQFEHLN HQNPNTFESR DLDMLIKAAT
ADLEQYDRTR HEEFKKYEMM KEHERREYLK TLSEEKRKEE ESKFEEMKRK HEDHPKVNHP GSKDQLKEVW EETDGLDPND
FDPKTFFKLH DVNNDGFLDE QELEALFTRE LEKVYNPQNA EDDMIEMEEE RLRMREHVMS EIDNNKDRLV TLEEFRLATE
KKEFLEPDSW ETLDQQQLFT EDELKEYESI IAIQENELKK RAEELQKQKE DLQRQHDHLE AQKQEYHQAV QHLEQKKLQQ
GIAPSGPAGE LKFEPHT

General References

Oh-I S., et al. (2006) Nature. 443: 709-712.
Karabinos A., et al. (1996) Mol Biol Evol 13(7):990-8

DATA

SDS-PAGE



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

15% SDS-PAGE (3ug)