



Product Datasheet

Product Name	Nucleobindin-2 Mouse Recombinant
Cata No	CB501462
Source	<i>Escherichia Coli.</i>
Synonyms	Nefa, Calnuc, A1607786, Nucleobindin-2, DNA-binding protein NEFA, Nucb2.

Description

Nucleobindin-2 (NUCB2) is a EF-hand calcium-binding protein. Nucleobindin-2 takes part in calcium homeostasis and is a multifunctional protein that interacts with Ca(2+) nucleic acids & various regulatory proteins in different signaling pathways. NUCB2 is localized in neuronal perikarya and dendrites of mouse brain.

NUCB2 Mouse Recombinant fused to N-terminal His-Tag produced in E.Coli is a single, non-glycosylated polypeptide chain containing 417 amino acids and having a molecular mass of 49 kDa.

Physical Appearance

Sterile Filtered colorless solution.

Purity

Greater than 95.0% as determined by:

- (a) Analysis by RP-HPLC.
- (b) Analysis by SDS-PAGE.

Formulation

The protein solution contains 20mM Tris-HCl pH-8, 0.1M NaCl and 1mM DTT.

Stability

NUCB2 although stable 4°C for 4 weeks, should be stored desiccated below -18°C.

For long term storage it is recommended to add a carrier protein (0.1% HSA or BSA).

Please prevent freeze-thaw cycles.

Sequence

GSSHHHHHH SSSLVPRGSH MVPIDVDKTK
VHNTPEVNA RIEPPDTGLY YDEYLKQVIE
VLETDPHFRE KLQKADIEEI RSGRLSQELD
LVSHKVRTRL DELKRQEVGR LRMLIAKLD
ALQDTGMNHH LLLKQFEHLN HQNPNTFESR
DLDMLIKAAT ADLEQYDRTR
HEEFKKYEMMKEHERREYLK TLSEEKRKEE
ESKFEEMKRK HEDHPKVNHP GSKDQLKEVW
EETDGLDPND
FDPKTFFKLH DVNNDGFLDE QELEALFTRE
LEKVYNPQNA EDDMIEMEEE RLRMRHVMS
EIDNNKDRLV TLEEFRLATE KKEFLEPDSW
ETLDQQQLFT EDELKEYESI
IAIQENELKKRAEELQKQKE DLQRQHDHLE
AQKQEYHQAV QHLEQKKLQQ GIAPSGPAGE
LKFEPHT.