

Recombinant Mouse Nucleobindin-2, His-tagged

Cat. No. Nucb2-248M **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant Mouse NUCB2 (His-tagged) produced in <i>E. Coli</i> is a single, non-glycosylated polypeptide chain. The protein contains 417 amino acids and has a molecular mass of 49 kDa.
Species	Mouse
Source	E.coli
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.
Amino Acid Sequence	GSSHHHHHH SSGLVPRGSH MVPIDVDKTK VHNTPEVENA RIEPPDTGLY YDEYLKQVIE VLETDPHFRE KLQKADIEEI RSGRLSQELD LVSHKVRTRL DELKRQEVGR LRMLIAKALD ALQDTGMNHH LLLKQFEHLN HQNPNTFESR DLDMLIKAAT ADLEQYDRTR HEEFKKYEMMKEHERREYLK TLSEEKRKEE ESKFEEMKRK HEDHPKVNHP GSKDQLKEVW EETDGLDPND FDPKTFFKLH DVNNDGFLDE QELEALFTRE LEKVYNPQNA EDDMIEMEEE RLRMREHVMS EIDNNKDRLV TLEEFLRATE KKEFLEPDSW ETLDQQQLFT EDELKEYESI IAIQENELKKRAEELQKQKE DLQRQHDHLE AQKQEYHQAV QHLEQKKLQQ GIAPSGPAGE LKFEPHT.
Physical Appearance	Sterile Filtered colorless solution.

 Tel: 1-631-559-9269 1-516-512-3133

 Email: info@creative-biomart.com  Fax: 1-631-938-8127

 45-1 Ramsey Road, Shirley, NY 11967, USA

Purity	Greater than 95.0% as determined by: (a) Analysis by RP-HPLC. (b) Analysis by SDS-PAGE.
Formulation	The protein solution (1mg/ml) contains 20mM Tris-HCl pH-8, 0.1M NaCl and 1mM DTT.
Stability	NUCB2 although stable 14°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.

GENE INFORMATION

Gene Name	Nucb2 nucleobindin 2 [Mus musculus]
Synonyms	Nucb2; nucleobindin 2; Nefa; Calnuc; AI607786
Gene ID	53322
mRNA Refseq	NM_001130479
Protein Refseq	NP_001123951
UniProt ID	P81117
Chromosome Location	7 F1
Function	DNA binding; calcium ion binding

 Tel: 1-631-559-9269 1-516-512-3133

 Email: info@creative-biomart.com  Fax: 1-631-938-8127

 45-1 Ramsey Road, Shirley, NY 11967, USA