
Product Data Sheet

Product Name: NUCB2 Mouse
 Cat. No.: GP24077
 Batch No.: 1

Product Data

Purity	>98%	Source	Escherichia Coli.
Physical Appearance	solid	Shipping Condition	Shipped with Ice Packs.
Synonyms	Nefa; Calnuc; AI607786; Nucleobindin-2; DNA-binding protein NEFA; Nucb2.		
Amino Acid Sequence	MGSSHHHHHH SGLVPRGSH MVPIDVDKTK VHNTPEVENA RIEPPDTGLY YDEYLKQVIE VLETDPHFRE KLQKADIEEI RSGRLSQELD LVSHKVRTRL DELKRQEVGR LRMLIKAKLD ALQDTGMNHH LLLKQFEHLN HQNPNTFESR DLDMLIKAAT ADLEQYDRTR HEEFKKYEMMKEHERREYLK TLSEEKRKEE ESKFEEMKRK HEDHPKVNHP GSKDQLKEVW EETDGLDPND FDPKTFKFLH DVNNDGFLDE QELEALFTRE LEKVYNPQNA EDDMIEMEEE RLRMREHVMS EIDNNKDRLV TLEEFRLATE KKEFLEPDSW ETLDQQQLFT EDELKEYESI IAIQENELKKRAEELQKQKE DLQRQHDHLE AQKQEYHQAV QHLEQKKLQQ GIAPSGPAGE LKFEPHT.		
Formulation	The protein solution (1mg/ml) contains 20mM Tris-HCl pH-8, 0.1M NaCl and 1mM EDTA.		

Introduction

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.

Stability

Store at 4°C if entire vial will be used within 2-4 weeks. Store, frozen at -20°C for longer periods of time. For long term storage it is recommended to add a carrier protein (0.1% HSA or BSA). Avoid multiple freeze-thaw cycles.

Background

Caution: Product has not been fully validated for medical applications. For research use only.

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NUCB2 Mouse Recombinant fused to N-terminal His-Tag produced in E.Coli is a single, non-glycosylated polypeptide chain (amino acids 25-420) containing 417 amino acids and having a molecular mass of 49kDa. NUCB2 is fused to a 21 amino acid His-tag at N-terminus & purified by proprietary chromatographic techniques.

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