

Nucb2, 25-420 aa, mouse, His tagged, Recombinant, E.coli

Cat.NO.: TP03219

3th Edition

Synonyms:Nucleobindin 2 isoform 2, Calnuc, Nefa

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.

Form:Liquid. In 20 mM Tris-HCl buffer (pH 8.0) containing 100 mM NaCl 1mM EDTA

Molecular Weight:49 kDa (417 aa), confirmed by MALDI-TOF

Sequences:

MGSSHHHHHHSSGLVPRGSHMVPIDVDKTKVHNTEPVENARIEPPDTGLYYDEYLNKQVIEVLETDPHFREKLQKAD
IEEIRSGRLSQELDLVSHKVRTRLDELKRQEVGRLRMLIKAKLDALQDTGMNHLLLLKQFEHLNHQNPNTFESRDLD
MLIKAATADLEQYDRTRHEEFKKYEMMKEHERREYLKTLSEEKRKEEESKFEEMKRKHEDHPKV/NHPSGSKDQLKE
VWEETDGLDPNDFDPKTFKFLHDV/NNDGFLDEQELEALFTRELEKVYNPQNAEDDMIEMEEERLRMREHVMSEID
NNKDRLVTLEEFRLATEKKEFLEPDSWETLDQQQLFTEDELKEYESI IAIQENELKKRAEELQKQKEDLQRQHDHLE
AQKQEYHQAVQHLEQKKLQQGIAPSGPAGELKFEPHT

Purity:> 95% by HPLC

Concentration:1 mg/ml (determined by Bradford assay)

Endotoxin Level:<1.0 EU per 1 ug of protein (determined by LAL method)

Storage:Can be stored at +4°C short term (1-2 weeks). For long term storage, aliquot and store at -20°C or -70°C. Avoid repeated freezing and thawing cycles.