

## Product datasheet for TP308242

### Neuronal calcium binding protein (NECAB3) (NM\_031231) Human Recombinant Protein

#### Product data:

**Product Type:** Recombinant Proteins

**Description:** Recombinant protein of human N-terminal EF-hand calcium binding protein 3 (NECAB3), transcript variant 1, 20 µg

**Species:** Human

**Expression Host:** HEK293T

**Expression cDNA Clone or AA Sequence:** >RC208242 protein sequence  
Red=Cloning site Green=Tags(s)

MACAGLLTVCLLRPPAPQPQPQTPRHPQLAPDPGPAGHTLFQDVFRADKNDDGKLSFEFQNYFADGVL  
SLGELQELFSGIDGHLTDNLETEKLCDFSEHLGVYRPVLAALLESINRAVLAAMDATKLEYERASKVDQF  
VTRFLLRETVSQALQSSLEGASDTLEAQAHGWRSDAESVEAQSRLCGSRRAGRRALRSVRSSTWSPG  
SSDTGRSSEAEMQWRLQVNRLQELIDQLECKAPRLEPLREEDLAKGPDHLILMAQRQVQVAEEGLQDFHR  
ALRCYVDFTGAQSHCLHVSAQKMLDGASFTLYEFWQDEASWRRHQSPGSKAFQRILIDHLRAPDTLTTV  
FFPASWWIMNNN

TRTRPLEQKLISEEDLAANDILDYKDDDDKV

**Tag:** C-Myc/DDK

**Predicted MW:** 40.6 kDa

**Concentration:** >0.05 µg/µL as determined by microplate BCA method

**Purity:** > 80% as determined by SDS-PAGE and Coomassie blue staining

**Buffer:** 25 mM Tris-HCl, 100 mM glycine, pH 7.3, 10% glycerol

**Preparation:** Recombinant protein was captured through anti-DDK affinity column followed by conventional chromatography steps.

**Note:** For testing in cell culture applications, please filter before use. Note that you may experience some loss of protein during the filtration process.

**Storage:** Store at -80°C.

**Stability:** Stable for 12 months from the date of receipt of the product under proper storage and handling conditions. Avoid repeated freeze-thaw cycles.

**RefSeq:** [NP\\_112508](#)



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Locus ID: 63941

UniProt ID: [Q96P71](#)

RefSeq Size: 1961

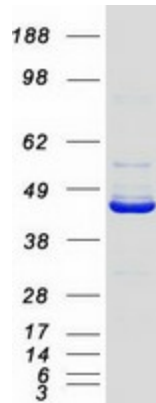
Cytogenetics: 20q11.22

RefSeq ORF: 1086

Synonyms: APBA2BP; dJ63M2.4; dJ63M2.5; EFCBP3; NIP1; STIP3; SYTIP2; XB51

**Summary:** The protein encoded by this gene interacts with the amino-terminal domain of the neuron-specific X11-like protein (X11L), inhibits the association of X11L with amyloid precursor protein through a non-competitive mechanism, and abolishes the suppression of beta-amyloid production by X11L. This protein, together with X11L, may play an important role in the regulatory system of amyloid precursor protein metabolism and beta-amyloid generation. The protein is phosphorylated by NIMA-related expressed kinase 2, and localizes to the Golgi apparatus. Multiple transcript variants encoding different isoforms have been found for this gene. [provided by RefSeq, Jul 2008]

### Product images:



Coomassie blue staining of purified NECAB3 protein (Cat# TP308242). The protein was produced from HEK293T cells transfected with NECAB3 cDNA clone (Cat# [RC208242]) using MegaTran 2.0 (Cat# [TT210002]).