

Recombinant Human NECAB3 Protein, Myc/DDK-tagged, C13 and N15-labeled

Cat. No. NECAB3-3455H **Lot. No.** (See product label)

SPECIFICATION

Product Overview	NECAB3 MS Standard C13 and N15-labeled recombinant protein (NP_112508) with a C-terminal MYC/DDK tag, was expressed in HEK293 cells.
Species	Human
Source	HEK293
Description	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.
Molecular Mass	40.8 kDa
AA Sequence	MACAGLLTVCLLRPPAPQPQPQTTPRHPQLAPDPGPAGHTLFQDVFRRADKNDDGK LSFEFQNYFADGVLSLGLQELFSGIDGHLTDNLETEKLCDYFSEHLGVYRPVLAAL ESLNRAVLAAMDATKLEYERASKVDQFVTRFLLRETVSQQLQALQSSLEGASDTLEAQ AHGWRSDAESVEAQSRRLCGSRRAGRRALRSVSRSTWSPGSSDTGRSSEAEMQ WRLQVNRLQELIDQLECKAPRLEPLREEDLAKGPDHLHILMAQRQVQVAEEGLQDFH

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RALRCYVDFTGAQSHCLHVSAQKMLDGASFTLYEFWQDEASWRRHQQSPGSKAF
QRILIDHLRAPDTLTTVFFPASWWIMNNNTRTRPLEQKLISEEDLAANDILDYKDDDD
KV

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

Stability Stable for 3 months from receipt of products under proper storage and handling conditions.

Storage Store at -80 centigrade. Avoid repeated freeze-thaw cycles.

Concentration 50 µg/mL as determined by BCA

Storage Buffer 100 mM glycine, 25 mM Tris-HCl, pH 7.3.

GENE INFORMATION

Gene Name [NECAB3 N-terminal EF-hand calcium binding protein 3 \[Homo sapiens \(human\) \]](#)

Official Symbol [NECAB3](#)

Synonyms NECAB3; N-terminal EF-hand calcium binding protein 3; amyloid beta (A4) precursor protein binding, family A, member 2 binding protein, APBA2BP, SYTIP2; N-terminal EF-hand calcium-binding protein 3; dJ63M2.4; dJ63M2.5; EF hand calcium binding protein 3; EFCBP3; NIP1; XB51; X11L-binding protein 51; Nek2-interacting protein 1; EF-hand calcium binding protein 3; neuronal calcium-binding protein 3; synaptotagmin interacting protein 2; neuronal calcium-binding protein NECAB3; synaptotagmin interacting protein STIP3; amyloid beta A4 protein-binding family A member 2-binding protein; amyloid beta (A4) precursor protein-binding, family A, member 2 binding protein; STIP3; SYTIP2; APBA2BP;

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Gene ID	63941
mRNA Refseq	NM_031231
Protein Refseq	NP_112508
MIM	612478
UniProt ID	Q96P71
SDS-PAGE	