N-Terminal Ef-Hand Calcium-Binding Protein 1 (NECAB1) Rat Recombinant Protein

PRODUCT OVERVIEW

Product Name	N-terminal EF-hand calcium-binding protein 1 (Necab1), Recombinant Protein
Full Product Name	Recombinant Rat N-terminal EF-hand calcium-binding protein 1 (Necab1)
Product Gene Name	Necab1 recombinant protein
Product Synonym Gene Name	Necab1
Sequence	MEDSRETSPS SNNSSEELSS ALQLSKGMSI FLDILRRADK NDDGKLSFEE FKAYFADGVL SGEELHELFH TIDTHNTNNL DTEELCEYFS QHLGEYENVL AALEDLNLSI LKAMGKTKKD YQEASNLEQF VTRFLLKETL NQLQSLQNSL ECAMETTEEQ TRQERQGPSK PEVLSIQWPG KRSSRRVQRH NSFSPNSPQF NVSSPALLEE DNQWMTQINR LQKLIDRLEK KDLKLEPLEE EVIEENTKPH IMLVQRQMSV TEEDLEEFQL ALKHYVESAS AQSGCLRISI QKLSNESRYM IYEFWENSSV WNRHLQTNYS KTFQRSNVDF LETPELTSTM LVPASWWILK NN
Host	E Coli or Yeast or Baculovirus or Mammalian Cell
Form/Format	Lyophilized or liquid (Format to be determined during the manufacturing process)
Purity/Purification	Greater or equal to 85% purity as determined by SDS-PAGE. (lot specific)
Preparation and Storage	Store at -20 degrees C. For long-term storage, store at -20 degrees C or -80 degrees C. Store working aliquots at 4 degrees C for up to one week. Repeated freezing and thawing is not recommended.
Molecular Weight	40,904 Da
Sequence Positions	1-352, full length protein
Tag Information	This protein contains an N-terminal tag and may also contain a C-terminal tag. Tag types are determined by various factors including tag-protein stability, please inquire for tag information.
Sterility	Sterile filter available upon request.
Endotoxin	Low endotoxin available upon request.
3D Structure	ModBase 3D Structure for Q9ESB5
Species	Rat
ISO Certification	Manufactured in an ISO 9001:2015 Certified Laboratory.
Related Product Information for Necab1 recombinant protein	MBS1356255 is a recombinant protein targeting Necab1. Also known as Recombinant Rat N-terminal EF-hand calcium-binding protein 1 (Necab1). Host: E Coli or Yeast or Baculovirus or Mammalian Cell.
Other Notes	Small volumes of Necab1 recombinant protein vial(s) may occasionally become entrapped in the seal of the product vial during shipment and storage. If necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the container`s cap. Certain products may require to ship with dry ice and additional dry ice fee may apply.

ADDITIONAL DETAILS

NCBI/Uniprot data below describe general gene information for Necab1. It may not necessarily be applicable to this product.

NCBI GI #	11560137
NCBI GeneID	64169
NCBI Accession #	NP_071638.1
UniProt Primary Accession #	Q9ESB5
UniProt Related Accession #	Q9ESB5

GenBank Nucleotide #	NM_022302.1
NCBI Official Full Name	N-terminal EF-hand calcium-binding protein 1
NCBI Official Synonym Full Names	N-terminal EF-hand calcium binding protein 1
NCBI Official Symbol	Necab1
NCBI Official Synonym Symbols	Efcbp1; Stip-1
UniProt Protein Name	N-terminal EF-hand calcium-binding protein 1
UniProt Synonym Protein Names	Neuronal calcium-binding protein 1; Synaptotagmin-interacting protein 1; Stip-1
Protein Family	N-terminal EF-hand calcium-binding protein
UniProt Gene Name	Necab1
UniProt Synonym Gene Names	Efcbp1; Stip; EF-hand calcium-binding protein 1; Stip-1
NCBI Protein Information	N-terminal EF-hand calcium-binding protein 1
NCBI Summary for Necab1	may play a role in neuronal Ca(2+)-signalling [RGD, Feb 2006]
Research Articles on Necab1	**1.** Determines domain structure of the Necab 1 protein that expressed in the brain.
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