

Recombinant Human NRCAM Protein, Fc-tagged

Cat. No. NRCAM-180H **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant Human NRCAM, transcript variant 2, fused with Fc tag at C-terminal was expressed in HEK293.
Species	Human
Source	HEK293
Description	Cell adhesion molecules (CAMs) are members of the immunoglobulin superfamily. This gene encodes a neuronal cell adhesion molecule with multiple immunoglobulin-like C2-type domains and fibronectin type-III domains. This ankyrin-binding protein is involved in neuron-neuron adhesion and promotes directional signaling during axonal cone growth. This gene is also expressed in non-neural tissues and may play a general role in cell-cell communication via signaling from its intracellular domain to the actin cytoskeleton during directional cell migration. Allelic variants of this gene have been associated with autism and addiction vulnerability. Alternative splicing results in multiple transcript variants encoding different isoforms.
Form	Lyophilized from a 0.2 M filtered solution of PBS, pH 7.4
Molecular Mass	91.2kD
AA Sequence	QMISALEVPLDPKLLDLVQPPTITQQSPKDYIIDPRENIVIQCEAKGKPPPSFSWTRN GTHFDIDKDPLVTMKPGTGTLIINIMSEGKAETYESVYQCTARNERGAAVSNNIVVRP SRSPPLWTKEKLEPITLQSGQSLVLP CRPPIGLPPPIIFWMDNSFQRLPQSERSVQGL NGDLYFSNVLPEDTREDYICYARFNHTQTIIQQKQPISVKVISAKSSRERPPTFLTPEG

 Tel: 1-631-559-9269 1-516-512-3133

 Email: info@creative-biomart.com  Fax: 1-631-938-8127

 45-1 Ramsey Road, Shirley, NY 11967, USA

NASNKEELRGNVLSLECIAEGLPTPIIYWAKEDGMLPKNRTVYKNFEKTLQIIHVSEAD
 SGNYQCIAKNALGAIHHTISVRVKAAPYWITAPQNLVLSPGEDGTLICRANGNPKPRI
 SWLTNGVPIEIA PDPSRKIDGDTIIFSNVQERSSAVYQCNASNEYGYLLANAFVNVL
 AEPPRILTPANTLYQVIANRPALLDCAFFGSPLPTIEWFKGAKGSALHEDIYVLHENG
 LEIPVAQKDSTGTYTCVARNKLGMAKNEVHLEIKDATWIVKQPEYAVVQRGSMVSFE
 CKVKHDHTLSLTVLWLKDNRELPSDERFTVDKDLVADVSDDDSGTYTCVANVDD
 IEGRMDEPKSCDKTHTCPPCPAPELLGGPSVFLFPPKPKDTLMISRTPEVTCVVDV
 SHEDPEVKFNWYVDGVEVHNAKTKPREEQYNSTYRVVSVLTVLHQDWLNGKEYKC
 KVSNAKALPAIEKTISKAKGQPREPQVYTLPPSREEMTKNQVSLTCLVKGFYPSDIAV
 EWESNGQPENNYKTTTPVLDSGDSFFLYSKLTVDKSRWQQGNV FSCSV MHEALHN
 HYTQKSLSLSPGK*

Endotoxin Endotoxin level is <0.1 ng/g of protein (<1EU/g).

Purity >95% as determined by SDS-PAGE and Coomassie blue staining

Concentration Always centrifuge tubes before opening. Do not mix by vortex or pipetting. It is not recommended to reconstitute to a concentration less than 100 µg/ml. Dissolve the lyophilized protein in 1X PBS. Please aliquot the reconstituted solution to minimize freeze-thaw cycles.

GENE INFORMATION

Gene Name [NRCAM neuronal cell adhesion molecule \[Homo sapiens \]](#)

Official Symbol [NRCAM](#)

Synonyms NRCAM; neuronal cell adhesion molecule; Bravo; KIAA0343; NgCAM related cell adhesion molecule; neuronal surface protein Bravo; NgCAM-related cell adhesion molecule; MGC138845; MGC138846;

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Gene ID	4897
mRNA Refseq	NM_005010
Protein Refseq	NP_005001
MIM	601581
UniProt ID	Q92823

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