

## Recombinant Human NRCAM Protein

Catalog #	Source	Reactivity	Applications
CRP2023	Human cells	Human	E, WB, SDS-PAGE, MS

**Description** Recombinant Human NRCAM Protein is produced by our Mammalian expression system and the target gene encoding Gln25-Asn600 is expressed with a Fc tag at the C-terminus.

**Form** Lyophilized from a 0.2  $\mu$ M filtered solution of PBS, pH 7.4.

**Gene Symbol** NRCAM

**Alternative Names** KIAA0343; Neuronal cell adhesion molecule; Nr-CAM; Neuronal surface protein Bravo; hBravo; NgCAM-related cell adhesion molecule; Ng-CAM-related

**Entrez Gene** 4897 (Human)

**SwissProt** Q92823 (Human)

**Purity** Greater than 95% as determined by SEC-HPLC and reducing SDS-PAGE.

**Chemical Structure** QMISALEVPL DPKLLEDLVQ PPTITQQSPK DYIIDPRENI VIQCEAKGKP PPSFSWTRNG THFDIDKDPL VTMKPGTGTL IINIMSEGKA ETYEGVYQCT ARNERGAAVS NNIVVRPSRS PLWTKEKLEP ITLQSGQSLV LPCRPPIGLP PPIIFWMDNS FQRLPQSERV SQGLNGDLYF SNVLPEDTRE DYICYARFNH TQTIQQKQPI SVKVISAKSS RERPPTFLTP EGNASNKEEL RGNVLSLECI AEGLPTPIY WAKEDGMLPK NRTVYKNFEK TLQIIHVSEA DSGNYQCIK NALGAIHHTI SVRVKAAPYW ITAPQNLVLS PGEDGTLICR ANGNPKPRIS WLTNGVPIEI APDDPSRKID GDTIIFSNVQ ERSSAVYQCN ASNEYGYLLA NAFVNVLAEP PRILTPANTL YQVIANRPAL LDCAFFGSPL PTIEWFKGAK GSALHEDIYV LHENGTLEIP VAQKDSTGTY TCVARNKLG M AKNEVHLEIK DATWIVKQPE YAVVQRGSMV SFECKVKHDH TSLTLVLWLK DNRELPSDER FTVDKDHLVV ADVSDDDSGT YTCVANVDDI EGRMDEPKSC DKHTHCPPCP APELLGGPSV FLFPPKPKDT LMISRTPEVT CVVVDVSHED PEVKFNWYVD GVEVHNAKTK

**Application key:** E- ELISA, WB- Western blot, IH- Immunohistochemistry, IF- Immunofluorescence, FC- Flow cytometry, IC- Immunocytochemistry, IP- Immunoprecipitation, CHIP- Chromatin Immunoprecipitation, EMSA- Electrophoretic Mobility Shift Assay, BL- Blocking, SE- Sandwich ELISA, CBE- Cell-based ELISA, RNAi- RNA interference

**Species reactivity key:** H- Human, M- Mouse, R- Rat, B- Bovine, C- Chicken, D- Dog, G- Goat, Mk- Monkey, P- Pig, Rb- Rabbit, S- Sheep, Z- Zebrafish

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# Product Data Sheet

PREEQYNSTY RVVSVLTVLH QDWLNGKEYK CKVSNKALPA PIEKTISKAK GQPREPQVYT  
LPPSREEMTK NQVSLTCLVK GFYPSDIAVE WESNGQPENN YKTTTPVLDS DGSFFLYSKL  
TVDKSRWQQG NVFSCSVMHE ALHNHYTQKS LSLSPGK\*

## Quality Control

Endotoxin: Less than 0.1 ng/μg (1 IEU/μg) as determined by LAL test.

## Directions for Use

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.

## Storage/Stability

Lyophilized protein should be stored at -20°C, though stable at room temperature for 3 weeks. Reconstituted protein solution can be stored at 2-8°C for 2-7 days. Aliquots of reconstituted samples are stable at -20°C for 3 months.

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