

Recombinant Human NCAM1 Protein

Cat. No. NCAM1-0533H **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant Human NCAM1 Protein was expressed in Insect Cells.
Species	Human
Source	Insect Cells
Form	Lyophilized from a 0.2 µm filtered solution in PBS, pH 7.0, with 5 % Trehalose, 0.02 % Tween-20.
Molecular Mass	Approximately 104.7 kDa on SDS-PAGE under reducing conditions, containing 942 amino acids.
AASequence	AGMGMLQVDIVPSQGEISVGESKFFLCQVAGDAKDKDISWFSNPGEKLTNPQQRIS VWVNDSSSTLTIIYNANIDDAIGYKCVVTGEDGSESEATVNVKIFQKLMFKNAPTPQ EFREGEDAVIVCDVSSLPPTIIWKHKGRDVILKKDVRFIVLSNNYLQIRGIKKTDEGT YRCEGRILARGEINFKDIQVIVNVPPTIQARQNIVNATANLGQSVTLVCDAEGFPEPT MSWTKDGEQIEQEEDDEKYIFSDDSSQLTIKKVDKNDEAEYICIAENKAGEQDATIHL KVFAKPKITYVENQTAMELEEQVTLTCEASGDPIPSITWRTSTRNISSEEEKASWTRPE KQETLDGHMVVRSHARVSSLTKSIQYTDAGEYICTASNTIGQDSQSMYLEVQYAPK LQGPVAVYTWEGNQVNITCEVFAYPSATISWFRDGQLLPSSNYSNIKIYNTPSASYLE VTPDSENDFGNYNCTAVNRIGQESLEFILVQADTPSSPSIDQVEPYSSAQVQFDEP EATGGVPILKYKAEWRAVGEEVWHSKWYDAKEASMEGIVTIVGLKPETTYAVRLAAL NGKGLGEISAASEFKTQPVQGEPSPAPKLEGQMGEDGNSIKVNLIKQDDGGSPIRHYL VRYRALSSEWKPEIRLPSGSDHVMLKSLDWNAEYEVYVVAENQQGKSAAHFVFR

 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

TSAQPTAIPANGSPTSGIEGRMDEPKSSDKTHTCPPCPAPEFEGAPSVFLFPPKPKD
 TLMISRTPEVTCVVVDVSHEDPEVKFNWYVDGVEVHNAKTKPREEQYNSTYRVVSV
 LTVLHQDWLNGKEYKCKVSNKALPTPIEKTISKAKGQPREPQVYTLPPSRDELTKNQ
 VSLTCLVKGFYPSDIAVEWESNGQPENNYKTTTPVLDSDGSFFLYSKLTVDKSRWQ
 QGNVFSCSVMHEALHNHYTQKSLSLSPGK

Endotoxin Less than 0.1 EU/μg of rHuNCAM-1/CD56-Fc as determined by LAL method.

Purity > 90 % by SDS-PAGE analyses.

Storage Use a manual defrost freezer and avoid repeated freeze-thaw cycles. - 12 months from date of receipt, -20 to -70 °C as supplied. - 1 month, 2 to 8 °C under sterile conditions after reconstitution. - 3 months, -20 to -70 °C under sterile conditions after reconstitution.

Reconstitution We recommend that this vial be briefly centrifuged prior to opening to bring the contents to the bottom. Reconstitute in sterile distilled water or aqueous buffer containing 0.1 % BSA to a concentration of 0.1-1.0 mg/mL. Stock solutions should be apportioned into working aliquots and stored at ≤ -20 °C. Further dilutions should be made in appropriate buffered solutions.

GENE INFORMATION

Gene Name NCAM1 neural cell adhesion molecule 1 [Homo sapiens]

Official Symbol NCAM1

Synonyms NCAM1; neural cell adhesion molecule 1; CD56; NCAM; neural cell adhesion molecule, NCAM; antigen recognized by monoclonal 5.1H11; MSK39;

Gene ID 4684

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mRNA Refseq	NM_000615
Protein Refseq	NP_000606
MIM	116930
UniProt ID	P13591

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