

Neural cell adhesion molecule 1 Recombinant Protein | NCAM1 recombinant protein

Recombinant Human Neural cell adhesion molecule 1

CATALOG # AAA114121	HOST E Coli
-------------------------------	-----------------------

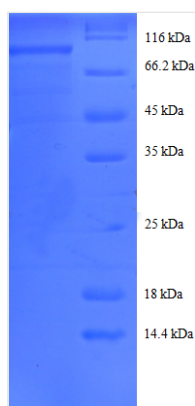
PRODUCT SYNONYMS

Neural cell adhesion molecule 1; Recombinant Human Neural cell adhesion molecule 1; CD56; NCAM1 recombinant protein

PRODUCT SPECIFICATIONS

Host	E Coli
Purity/Purification	Greater or equal to 85% purity as determined by SDS-PAGE.
Form/Format	Liquid containing glycerol
Sequence Positions	31-677. The fragment of Isoform 2
Sequence	ISVGESKFFL CQVAGDAKDK DISWFSPNGE KLTPNQQRIS VVWNDDSSST LTIYNANIDD AGIYKCVVTG EDGSESEATV NVKIFQKLMF KNAPTPQEFR EGEDAVIVCD VVSSLPPTII WKHKGRDVIL KKDVRFIVLS NNYLQIRGIK KTDEGTYRCE GRILARGEIN FKDIQVIVNV PPTIQARQNI VNATANLGQS VTLVCD AEGF PEPTMSWTKD GEQIEQEEDD EKYIFSDDSS QLTIKKVDKN DEAEYICIAE NKAGEQDATI HLKVFAPKI TYVENQTAME LEEQVTLTCE ASGDPIPSIT WRTSTRNISS EEKTLDGHMV VRSHARVSSL TLKSIQYTDA GEYICTASNT IGQDSQSMYL EVQYAPKLQG PVAVYTWEGN QVNITCEVFA YPSATISWFR DGQLLPSSNY SNIKIYNTPS ASYLEVTPDS ENDFGNYNCT AVNRIGQESL EFILVQADTP SSPSIDQVEP YSSTAQVQFD EPEATGGVPI LKYKAEWRAP GEEVWSKQWY DAKESMEGI VTIVGLKPET TYAVRLAALN GKGLGEISAA SEFKTQPVQG EPSAPKLEGQ MGEDGNSIKV NLIQDDGGS PIRHYLVRYR ALSSEWKPEI RLPSGSDHVM LKSLDWNAEY EYVVVAE
Sequence Length	677
Preparation and Storage	Store at -20 degree C, for extended storage, conserve at -20 degree C or -80 degree C.

IMAGES



SDS-PAGE

ADDITIONAL INFORMATION

Related Product Information for NCAM1 recombinant protein	This protein is a cell adhesion molecule involved in neuron-neuron adhesion, neurite fasciculation, outgrowth of neurites, etc.
---	---

Product Categories/Family for NCAM1 recombinant protein	Cell adhesion
References	Complete sequence and in vitro expression of a tissue-specific phosphatidylinositol-linked N-CAM isoform from skeletal muscle.Barton C.H., Dickson G., Gower H.J., Rowett L.H., Putt W., Elsom V., Moore S.E., Goridis C., Walsh F.S.Development 104:165-173(1988) Molecular and functional analysis of human natural killer cell-associated neural cell adhesion molecule (N-CAM/CD56) .Lanier L.L., Chang C., Azuma M., Ruitenberg J.J., Hemperly J.J., Phillips J.H.J. Immunol. 146:4421-4426(1991) Complementary DNA sequence encoding the major neural cell adhesion molecule isoform in a human small cell lung cancer cell line.Saito S., Tanio Y., Tachibana I., Hayashi S., Kishimoto T., Kawase I.Lung Cancer 10:307-318(1994) Complete sequencing and characterization of 21,243 full-length human cDNAs.Ota T., Suzuki Y., Nishikawa T., Otsuki T., Sugiyama T., Irie R., Wakamatsu A., Hayashi K., Sato H., Nagai K., Kimura K., Makita H., Sekine M., Obayashi M., Nishi T., Shibahara T., Tanaka T., Ishii S., Yamamoto J., Saito K., Kawai Y., Isono Y., Nakamura Y., Nagahari K., Murakami K., Yasuda T., Iwayanagi T., Wagatsuma M., Shiratori A., Sudo H., Hosoiri T., Kaku Y., Kodaira H., Kondo H., Sugawara M., Takahashi M., Kanda K., Yokoi T., Furuya T., Kikkawa E., Omura Y., Abe K., Kamihara K., Katsuta N., Sato K., Tanikawa M., Yamazaki M., Ninomiya K., Ishibashi T., Yamashita H., Murakawa K., Fujimori K., Tanai H., Kimata M., Watanabe M., Hiraoka S., Chiba Y., Ishida S., Ono Y., Takiguchi S., Watanabe S., Yosida M., Hotuta T., Kusano J., Kanehori K., Takahashi-Fujii A., Hara H., Tanase T.-O., Nomura Y., Togiya S., Komai F., Hara R., Takeuchi K., Arita M., Imose N., Musashino K., Yuuki H., Oshima A., Sasaki N., Aotsuka S., Yoshikawa Y., Matsunawa H., Ichihara T., Shiohata N., Sano S., Moriya S., Momiyama H., Satoh N., Takami S., Terashima Y., Suzuki O., Nakagawa S., Senoh A., Mizoguchi H., Goto Y., Shimizu F., Wakebe H., Hishigaki H., Watanabe T., Sugiyama A., Takemoto M., Kawakami B., Yamazaki M., Watanabe K., Kumagai A., Itakura S., Fukuzumi Y., Fujimori Y., Komiyama M., Tashiro H., Tanigami A., Fujiwara T., Ono T., Yamada K., Fujii Y., Ozaki K., Hirao M., Ohmori Y., Kawabata A., Hikiji T., Kobatake N., Inagaki H., Ikema Y., Okamoto S., Okitani R., Kawakami T., Noguchi S., Itoh T., Shigeta K., Senba T., Matsumura K., Nakajima Y., Mizuno T., Morinaga M., Sasaki M., Togashi T., Oyama M., Hata H., Watanabe M., Komatsu T., Mizushima-Sugano J., Satoh T., Shirai Y., Takahashi Y., Nakagawa K., Okumura K., Nagase T., Nomura N., Kikuchi H., Masuho Y., Yamashita R., Nakai K., Yada T., Nakamura Y., Ohara O., Isogai T., Sugano S.Nat. Genet. 36:40-45(2004) Totoki Y., Toyoda A., Takeda T., Sakaki Y., Tanaka A., Yokoyama S., Ohara O., Nagase T., Kikuno R.F. Splicing of the VASE exon of neural cell adhesion molecule (NCAM) in human small-cell lung carcinoma (SCLC) .van Duijnhoven H.L., Helfrich W., de Leij L., Roebroek A.J., van de Ven W.J., Healey K., Culverwell A., Rossell R.J., Kemshead J.T., Patel K.Int. J. Cancer 50:118-123(1992) Human muscle neural cell adhesion molecule (N-CAM) identification of a muscle-specific sequence in the extracellular domain.Dickson G., Gower H.J., Barton C.H., Prentice H.M., Elsom V.L., Moore S.E., Cox R.D., Quinn C., Putt W., Walsh F.S.Cell 50:1119-1130(1987) Alternative splicing generates a secreted form of N-CAM in muscle and brain.Gower H.J., Barton C.H., Elsom V.L., Thompson J., Moore S.E., Dickson G., Walsh F.S.Cell 55:955-964(1988) Human plasma N-glycoproteome analysis by immunoaffinity subtraction, hydrazide chemistry, and mass spectrometry.Liu T., Qian W.-J., Gritsenko M.A., Camp D.G. II, Monroe M.E., Moore R.J., Smith R.D.J. Proteome Res. 4:2070-2080(2005) An enzyme assisted RP-RPLC approach for in-depth analysis of human liver phosphoproteome.Bian Y., Song C., Cheng K., Dong M., Wang F., Huang J., Sun D., Wang L., Ye M., Zou H.J. Proteomics 96:253-262(2014)

NCBI AND UNIPROT INFORMATION

NCBI GI #	94420689
NCBI GeneID	4684
NCBI Accession #	NP_000606.3
NCBI GenBank Nucleotide #	NM_000615.6
UniProt Accession #	P13591; P13592; P13593; Q05C58; Q15829; Q16180; Q16209; Q59FL7; Q86X47; Q96CJ3; A8K8T8
Molecular Weight	100.4kD
NCBI Official Full Name	neural cell adhesion molecule 1 isoform 1
UniProt Protein Name	Neural cell adhesion molecule 1
UniProt Gene Name	NCAM1
UniProt Synonym Gene Names	NCAM; N-CAM-1; NCAM-1
UniProt Entry Name	NCAM1_HUMAN

For Research Use Only. Not for use in diagnostic or therapeutic procedures. Small volumes of product may become entrapped in the seal of the vial during shipment and storage; if necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the cap.

AAA Biotech | Tel: +1 (619) 604-9440 | Fax: +1 (619) 604-9441 | contact@aaabiotech.com
Online datasheet: <https://stage.aaabiotech.com/ncam1-recombinant-protein-e-coli/114121>