

NCAM-1/CD56 recombinant protein

NCAM-1/CD56 Protein, Human, Recombinant (hFc Tag), HPLC-verified

CATALOG #
AAA259177

HOST
HEK293 Cells

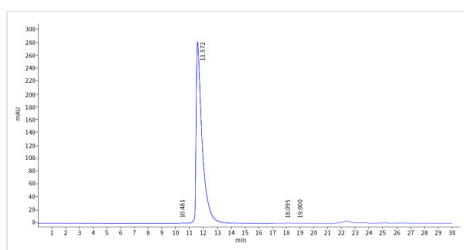
PRODUCT SYNONYMS

NCAM-1/CD56; NCAM-1/CD56 Protein; Human; Recombinant (hFc Tag); HPLC-verified; neural cell adhesion molecule 1; CD56 Protein; MSK39 Protein; NCAM Protein; NCAM-1/CD56 recombinant protein

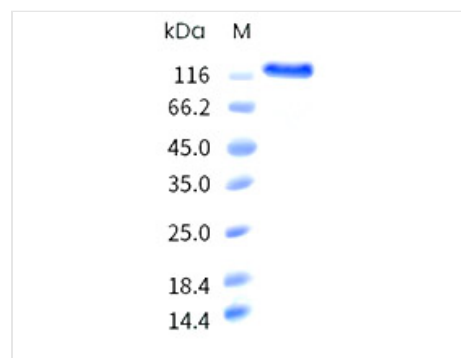
PRODUCT SPECIFICATIONS

Host	HEK293 Cells
Purity/Purification	>= 95% as determined by SDS-PAGE. = 95% as determined by SEC-HPLC.
Form/Format	Lyophilized from sterile PBS, pH 7.4. Normally 5%-8% trehalose, mannitol and 0.01% Tween80 are added as protectants before lyophilization.
Species	Human
Predicted N Terminal	Leu 20
Endotoxin	<1.0 EU per ug protein as determined by the LAL method.
Protein Construction	A DNA sequence encoding the Human NCAM1 (NP_001070150.1)(Met1-Pro603) was expressed with the Fc region of human IgG1 at the C-terminus.
Preparation and Storage	Samples are stable for up to twelve months from date of receipt at -20 degree C to -80 degree C. Store it under sterile conditions at -20 degree C to -80 degree C. It is recommended that the protein be aliquoted for optimal storage. Avoid repeated freeze-thaw cycles.

IMAGES



Application Data



Application Data

ADDITIONAL INFORMATION

Related Product Information for NCAM-1/CD56 recombinant protein	NCAM1 (Neural Cell Adhesion Molecule 1, also known as CD56) is a Protein Coding gene. 3 alternatively spliced human isoforms have been reported. NCAM1 is a neural adhesion protein (NCAM) that belongs to the immunoglobulin superfamily. The encoded protein is involved in cell-to-cell interactions as well as cell-matrix interactions during development and differentiation. NCAM1 is involved in neuron-neuron adhesion, neurite fasciculation, the outgrowth of neurites, etc. It has also been shown to be involved in the expansion of T cells and dendritic cells which play an important role in immune surveillance. Diseases associated with NCAM1 include Rabies and Bile Duct Cancer. Among its related pathways are Neuroscience and RET signaling.
References	Reyes AA. et al., 1991, Mol Cell Biol. 11 (3): 1654-61. Suzuki M. et al., 2003, J Biol Chem. 278 (49): 49459-68. Becker C G. et al., 1996, J Neurosci Res. 45 (2): 143-52.

NCBI AND UNIPROT INFORMATION

NCBI GI #	115529478
NCBI GeneID	4684
NCBI Accession #	NP_001070150.1
NCBI GenBank Nucleotide #	NM_001076682.3
UniProt Accession #	P13591; P13592; P13593; Q05C58; Q15829; Q16180; Q16209; Q59FL7; Q86X47; Q96CJ3; A8K8T8
Molecular Weight	Molecular Mass: 66.1 kDa Actual Protein Molecular Mass: 66.1 kDa
NCBI Official Full Name	neural cell adhesion molecule 1 isoform 3
NCBI Official Synonym Full Names	neural cell adhesion molecule 1
NCBI Official Symbol	NCAM1
NCBI Official Synonym Symbols	CD56; NCAM; MSK39
NCBI Protein Information	neural cell adhesion molecule 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.