
Recombinant Human Neural Cell Adhesion Molecule 1/NCAM-1/CD56 Protein(C-6His)**Cat.NO.: TP04993**

3th Edition

Synonyms:CD56; NCAM-1; CD56 antigen; MSK39; N-CAM-1; NCAM-1; neural cell adhesion molecule 1; neural cell adhesion molecule; NCAM

Description:Neural cell adhesion molecule 1 (NCAM-1) is a single-pass type I membrane protein, it belongs to a family of membrane-bound glycoproteins that are involved in Ca²⁺ independent cell matrix and homophilic or heterophilic cell-cell interactions. NCAM-1 is synthesized as a 761 aa preproprecursor that contains a 19 aa signal sequence, a 722 aa GPI-linked mature region, and a 20 aa C-terminal prosegment. The molecule contains five C-2 type Ig-like domains and two fibronectin type-III domains. NCAM-1 is a cell adhesion molecule involved in neuron-neuron adhesion, neurite fasciculation, outgrowth of neurites, etc. Acting as a receptor for rabies virus, NCAM-1 in the adult brain shows a decline of sialylation relative to earlier developmental periods.

Form:PBS

Molecular Weight:65.5 kDa

Sequences:Leu20-Pro603

Purity:> 95% by HPLC

Concentration:

Endotoxin Level:<1.0 EU per 1 ug of protein (determined by LAL method)

Storage:Can be stored at +4°C short term (1-2 weeks). For long term storage, aliquot and store at -20°C or -70°C. Avoid repeated freezing and thawing cycles.