Recombinant Human NCAM-1 (C-6His)

Catalog No: CP45

Description	Recombinant Human Neural Cell Adhesion Molecule 1 is produced by our Mammalian expression system and the target gene encoding Leu20-Pro603 is expressed with a 6His tag at the C-terminus.
Source	Human Cells
Alternative name	CD56; NCAM-1; CD56 antigen; MSK39; N-CAM-1; NCAM-1; neural cell adhesion molecule 1; neural cell adhesion molecule; NCAM
Accession No.	P13591-3
Formulation	Lyophilized from a 0.2 μm filtered solution of PBS, pH 7.4.
Quality Control	Purity: Greater than 95% as determined by reducing SDS-PAGE. Endotoxin: Less than 0.1 ng/μg (1 IEU/μg) as determined by LAL test.
Shipping	The product is shipped at ambient temperature. Upon receipt, store it immediately at the temperature listed below.
Storage	Lyophilized protein should be stored at < -20°C, though stable at room temperature for 3 weeks. Reconstituted protein solution can be stored at 4-7°C for 2-7 days. Aliquots of reconstituted samples are stable at < -20°C for 3 months.
Background	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.

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