

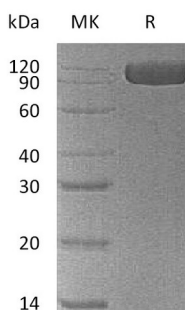
**Product Name: Recombinant Human NCAM-1 (C-6His)**  
**Catalog #: PHH1208**



## Summary

<b>Name</b>	NCAM-1/CD56/Neural Cell Adhesion Molecule 1
<b>Purity</b>	Greater than 95% as determined by reducing SDS-PAGE
<b>Endotoxin level</b>	<1 EU/μg as determined by LAL test.
<b>Construction</b>	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.
<b>Accession #</b>	P13591-3
<b>Host</b>	Human Cells
<b>Species</b>	Human
<b>Predicted Molecular Mass</b>	65.5 KDa
<b>Formulation</b>	Lyophilized from a 0.2 μm filtered solution of PBS, pH 7.4.
<b>Shipping</b>	The product is shipped at ambient temperature. Upon receipt, store it immediately at the temperature listed below.
<b>Stability&amp;Storage</b>	Store at ≤-70°C, stable for 6 months after receipt. Store at ≤-70°C, stable for 3 months under sterile conditions after opening. Please minimize freeze-thaw cycles.
<b>Reconstitution</b>	Always centrifuge tubes before opening. Do not mix by vortex or pipetting. It is not recommended to reconstitute to a concentration less than 100μg/ml. Dissolve the lyophilized protein in distilled water. Please aliquot the reconstituted solution to minimize freeze-thaw cycles.

## SDS-PAGE image



## Background

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**Alternative Names**

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

**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  $\text{Ca}^{2+}$  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.

**Note**

For Research Use Only , Not for Diagnostic Use.