

Recombinant Human NRCAM protein, His & GST-tagged

Cat. No. NRCAM-1665H **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant Human NRCAM aa. (Gln25~Arg143 (Accession # Q92823)) fused with N-terminal His & GST tag was produced in E. coli cells.
Species	Human
Source	E.coli
ProteinLength	Gln25~Arg143
Description	Cell adhesion molecules (CAMs) are members of the immunoglobulin superfamily. This gene encodes a neuronal cell adhesion molecule with multiple immunoglobulin-like C2-type domains and fibronectin type-III domains. This ankyrin-binding protein is involved in neuron-neuron adhesion and promotes directional signaling during axonal cone growth. This gene is also expressed in non-neural tissues and may play a general role in cell-cell communication via signaling from its intracellular domain to the actin cytoskeleton during directional cell migration. Allelic variants of this gene have been associated with autism and addiction vulnerability. Alternative splicing results in multiple transcript variants encoding different isoforms.
Form	Freeze-dried powder
Molecular Mass	Predicted Molecular Mass: 43.2kDa
Endotoxin	<1.0EU per 1ug (determined by the LAL method)

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Purity	>90%
Applications	SDS-PAGE; WB; ELISA; IP.
Stability	The thermal stability is described by the loss rate. The loss rate was determined by accelerated thermal degradation test, that is, incubate the protein at 37°C for 48h, and no obvious degradation and precipitation were observed. The loss rate is less than 5% within the expiration date under appropriate storage condition.
Storage	Avoid repeated freeze/thaw cycles. Store at 2-8°C for one month. Aliquot and store at -80°C for 12 months.
Storage buffer	Supplied as lyophilized form in 20mM Tris, 150mM NaCl, pH8.0, containing 1mM EDTA, 1mM DTT, 0.01% sarcosyl, 5% trehalose, and preservative.
Reconstitution	Reconstitute in sterile ddH ₂ O.
Isoelectric Point	5.4

GENE INFORMATION

Gene Name	NRCAM neuronal cell adhesion molecule [Homo sapiens (human)]
Official Symbol	NRCAM
Synonyms	NRCAM; neuronal cell adhesion molecule; NgCAM-related cell adhesion molecule; neuronal surface protein Bravo
Gene ID	4897
mRNA Refseq	NM_001037132.2

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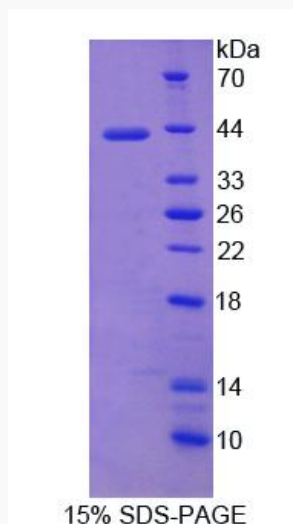
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Protein Refseq NP_001032209.1

UniProt ID Q92823

SDS-PAGE



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