

## HUMAN NINJ1 PROTEIN, HFC TAG

**Cat.#:** 11906

**Product Name:** Human NINJ1 Protein

**Size:** 10 µg, 50 µg and 100 µg

**Synonyms:** NINI;NINJURIN

**Target:** NINJ1

**UNIPROT ID:** Q92982

**Description:** Recombinant Human NINJ1 Protein with C-terminal human Fc tag

**Background:** The ninjurin protein is upregulated after nerve injury both in dorsal root ganglion neurons and in Schwann cells (Araki and Milbrandt, 1996 [PubMed 8780658]). It demonstrates properties of a homophilic adhesion molecule and promotes neurite outgrowth from primary cultured dorsal root ganglion neurons.[supplied by OMIM, Aug 2009]

**Species/Host:** HEK293

**Molecular Weight:** The protein has a predicted molecular mass of 34.6 kDa after removal of the signal peptide. The apparent molecular mass of NINJ1-hFc is approximately 35-55 kDa due to glycosylation.

**Molecular Characterization:** NINJ1(Met1-Leu80) hFc(Glu99-Ala330)

**Purity:** The purity of the protein is greater than 95% as determined by SDS-PAGE and Coomassie blue staining.

**Formulation & Reconstitution:** Lyophilized from nanodisc solubilization buffer (20 mM Tris-HCl, 150 mM NaCl, pH 8.0). Normally 5% – 8% trehalose is added as protectants before lyophilization.

**Storage & Shipping:** Store at -20°C to -80°C for 12 months in lyophilized form. After reconstitution, if not intended for use within a month, aliquot and store at -80°C (Avoid repeated freezing and thawing). Lyophilized proteins are shipped at ambient temperature.



Figure 1. Human NINJ1 Protein, hFc Tag on SDS-PAGE under reducing condition.