

Recombinant Rat Ninjurin-1/NINJ1 Protein (Fc Tag)

Catalog No. PKSR030174

Note: Centrifuge before opening to ensure complete recovery of vial contents.

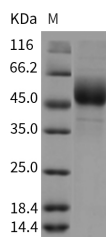
Description

Synonyms	NINJ1
Species	Rat
Expression Host	HEK293 Cells
Sequence	Met 1-Pro 79
Accession	P70617
Calculated Molecular Weight	37.0 kDa
Observed molecular weight	50 kDa
Tag	N-hFc
Bioactivity	Not validated for activity

Properties

Purity	> 95 % as determined by reducing SDS-PAGE.
Endotoxin	< 1.0 EU per µg of the protein as determined by the LAL method.
Storage	Generally, lyophilized proteins are stable for up to 12 months when stored at -20 to -80°C. Reconstituted protein solution can be stored at 4-8°C for 2-7 days. Aliquots of reconstituted samples are stable at < -20°C for 3 months.
Shipping	This product is provided as lyophilized powder which is shipped with ice packs.
Formulation	Lyophilized from sterile PBS, pH 7.4 Normally 5 % - 8 % trehalose, mannitol and 0.01% Tween80 are added as protectants before lyophilization. Please refer to the specific buffer information in the printed manual.
Reconstitution	Please refer to the printed manual for detailed information.

Data



> 95 % as determined by reducing SDS-PAGE.

Background

Ninjurin-1, also known as NINJ1, is a member of the Ninjurin family of transmembrane (TM) proteins. It is expressed in CD19(+) CD10(+) B-cell progenitor cells and higher levels in B-lineage acute lymphoblastic leukemia cells. Ninjurin-1 is

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expressed also in a number of other adult and embryonic tissues, predominantly in epithelial cells. Its expression is upregulated after axotomy in neurons and in Schwann cells surrounding the distal nerve segment. Upregulated expression of ninjurin-1 has been identified as a marker of minimal residual disease in B-lineage acute lymphoblastic leukemia. It mediates homophilic adhesion, and promotes neurite extension of dorsal root ganglion neurons in vitro. Ninjurin-1 has been found to show a high expression level in the liver tissue of patients with hepatocellular carcinoma, and this seems to be associated with cases of cirrhosis and chronic viral hepatitis. It has been reported that NINJURIN increases p21 expression and induces cellular senescence in human hepatoma cells.