



Recombinant Protein Technical Manual

Recombinant Human NCR3/NKp30 Protein (His Tag)(Active)
RPES2762

Product Data:

Product SKU: RPES2762

Size: 20µg

Species: Human

Expression host: HEK293 Cells

Uniprot: NP_667341.1

Protein Information:

Molecular Mass: 14.4 kDa

AP Molecular Mass: 22-28 kDa

Tag: C-His

Bio-activity: Measured by its binding ability in a functional ELISA. Immobilized human NCR3 at 10µg/mL (100µL/well) can bind human B7-H6, the EC50 of human B7-H6 is 2000ng/mL.

Purity: > 97 % as determined by reducing SDS-PAGE.

Endotoxin: < 1.0 EU per µg as determined by the LAL method.

Storage: 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

Reconstitution: Please refer to the printed manual for detailed information.

Application: Functional ELISA

Synonyms: Natural Cytotoxicity Triggering Receptor 3; Activating Natural Killer Receptor p30; Natural Killer Cell p30-Related Protein; NK-p30; NKp30; CD337; NCR3; 1C7; LY117;1C7;DAAP-90L16.3;MALS

Immunogen Information:

Sequence: Met 1-Gly 135

Background:

Natural Cytotoxicity Triggering Receptor 3, NCR3, also known as NKp30, or CD337, is a natural cytotoxicity receptor, expressed on subsets of human peripheral blood NK cells, involved in NK cell killing of tumor cells and immature dendritic cells. The cellular ligand for NKp30 has remained elusive, but the membrane-associated heparan sulfate (HS) proteoglycans are involved in the recognition of cellular targets by NKp30 was recently reported. NKp30 is a member of the immunoglobulin superfamily and one of three existing natural cytotoxicity-triggering receptors. NKp30 is a glycosylated protein and is thought to be selectively expressed in resting and activated natural killer cells. NKp30 is a stimulatory receptor on human NK cells implicated in tumor immunity, and is capable of promoting or terminating dendritic cell maturation. NCR3 may play a role in inflammatory and infectious diseases.