



Recombinant Protein Technical Manual
Recombinant Human NCR3/NKp30 Protein (Fc Tag)
RPES0097

Product Data:

Product SKU: RPES0097

Size: 10µg

Species: Human

Expression host: Human Cells

Uniprot: O14931

Protein Information:

Molecular Mass: 40.2 kDa

AP Molecular Mass: 50 kDa

Tag: C-Fc

Bio-activity:

Purity: > 95 % 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 a 0.2 µm filtered solution of 20mM PB, 150mM NaCl, pH7.4.

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

Application:

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: Leu19-Thr138

Background:

Natural Cytotoxicity Triggering Receptor 3 (NCR3) along with NKp44 and NKp46 constitute a group of receptors termed "Natural Cytotoxicity Receptors". They play a major role in triggering NK-mediated killing of most tumor cells lines. NKp30 is a type I transmembrane protein having a single extracellular V-like immunoglobulin domain. NKp30 is selectively expressed both in resting and activated human NK cells. In addition, NKp30 is also involved in NK-mediated induction of dendritic cell (DC) maturation. It has been demonstrated that NK cell activation signalling specifically induces lytic activity against several tumor cell types and synthesis of new NF- κ B dependent proteins during the initiation of cytotoxicity.