

Recombinant Human NCR3/NKp30 Protein (Fc Tag)

Catalog No. PKSH032787

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

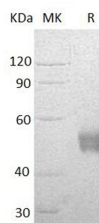
Description

Synonyms	Natural Cytotoxicity Triggering Receptor 3;Activating Natural Killer Receptor p30;Natural Killer Cell p30-Related Protein;NK-p30;NKp30;CD337;NCR3;1C7;LY117;DAAP-90L16.3;MALS
Species	Human
Expression Host	HEK293 Cells
Sequence	Leu19-Thr138
Accession	O14931
Calculated Molecular Weight	40.2 kDa
Observed molecular weight	50-60 kDa
Tag	C-Fc
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 a 0.2 µm filtered solution of 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

For Research Use Only

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 signaling specifically induces lytic activity against several tumor cell types and synthesis of new NF- κ B dependent proteins during the initiation of cytotoxicity.