Recombinant Human NCR3 protein, Fc-tagged

Cat. No. NCR3-814H **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant Human NCR3 protein (19-Gly135), fused to human IgG1 Fc tag at C-terminus, was expressed in human 293 cells (HEK293).
Species	Human
Source	HEK293
ProteinLength	117
Description	Natural cytotoxicity triggering receptor 3 (NCR3) is also known as Activating natural killer receptor p30, Natural killer cell p30-related protein (NK-p30), CD antigen CD337, 1C7, LY117. NCR3/CD337/NKp30 belongs to the natural cytotoxicity receptor (NCR) family. NCR3/NKp30 contains one Ig-like (immunoglobulin-like) domain. NCR3 /NKp30 is selectively expressed by all resting and activated NK cells and weakly expressed in spleen. NCR3 is homodimer in the unliganted form. NCR3 interacts with CD3Z. NCR3 interacts with and is activated by binding to NCR3LG1 or BAG6. Engagement of NCR3 by BAG6 also promotes dendritic cell (DC) maturation, both through killing those DCs that did not properly acquire a mature phenotype, and inducing NK cells to release TNFA and IFNG, which promotes DC maturation.
Form	Lyophilized from 0.22 um filtered solution in 50 mM Tris, 100 mM Glycine, pH7.5, 10% trehalose.
Molecular Mass	The protein has a calculated MW of 39.5 kDa. The protein migrates as 50-58 kDa under reducing (R) condition (SDS-PAGE) due to glycosylation.

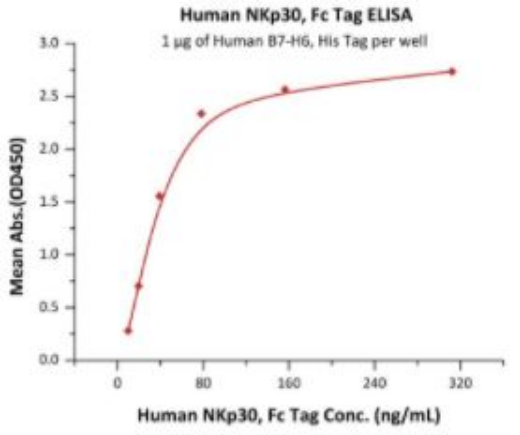
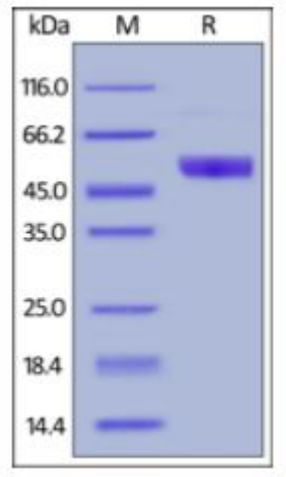
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Endotoxin	Less than 1.0 EU per ug by the LAL method.
Purity	>95% as determined by SDS-PAGE.
Storage	For long term storage, the product should be stored at lyophilized state at -20 centigrade or lower. Please avoid repeated freeze-thaw cycles. This product is stable after storage at: -20 centigrade to -70 centigrade for 12 months in lyophilized state; -70 centigrade for 3 months under sterile conditions after reconstitution.
Reconstitution	It is recommended that sterile water be added to the vial to prepare a stock solution of 0.2 ug/ul. Centrifuge the vial at 4℃ before opening to recover the entire contents.

GENE INFORMATION

Gene Name	NCR3
Official Symbol	NCR3
Synonyms	NCR3; natural cytotoxicity triggering receptor 3; LY117, lymphocyte antigen 117; 1C7; CD337; NKp30; NK-p30; lymphocyte antigen 117; activating NK-A1 receptor; activating natural killer receptor p30; natural killer cell p30-related protein; MALS; LY117
Gene ID	259197
mRNA Refseq	NM_001145466
Protein Refseq	NP_001138938

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MIM	611550
UniProt ID	O14931
Bioactivity-ELISA of NCR3-814H	 Immobilized Human B7-H6, His Tag at 10 μg/mL (100 μL/well) can bind Human NKp30, Fc Tag with a linear range of 2-78 ng/mL (QC tested).
SDS-PAGE of NCR3-814H	

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Human NKp30, Fc Tag on SDS-PAGE under reducing (R) condition. The gel was stained overnight with Coomassie Blue. The purity of the protein is greater than 95%.

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