

Active Recombinant Human NCR3, Fc-tagged, Biotinylated

Cat. No. NCR3-643H **Lot. No.** (See product label)

SPECIFICATION

Product Overview	The recombinant human NCR3-Fc fusion is expressed as a 345 amino acid protein consisting of Leu19 - Gly135 region of NCR3 (UniProt accession #O14931) and a C-terminal Fc fusion from human IgG1, which exists as a dimer under non-reducing condition.
Species	Human
Source	Human Cells
ProteinLength	19-135 a.a.
Form	Supplied at 0.5 mg/ml in sterile PBS pH7.4 (carrier & preservative free). The purified recombinant protein was labeled with Biotin (3-5 Biotin per molecule).
Bio-activity	Binds to its ligand B7-H6 in a functional ELISA and blocks B7-H6-induced IFN- γ secretion by NK cells.
Molecular Mass	Calculated molecular mass (kDa): 38.4; Estimated by SDS-PAGE under reducing condition (kDa): ~50
AA Sequence	LWVSQPPEIRTLEGSSAFLPCSFNASQGRLAIGSVTWFRDEVVPGKEVRNGTPEFR GRLAPLASSRFLHDHQAE LHIRDVVRGHDASIYVCRVEVLGLGVGTGNGTRLVVEKE HPQLGSTGTHTCPPCPAPELLGGPSVFLFPPKPKDT LMISRTPEVTCVVVDVSHED PEVKFNWYVDGVEVHNAKTKPREEQYNSTYRVVSVLTVLHQDWLNGKEYKCKV NKALPAPIEKTISKAKGQPREPQVYTLPPSREEMTKNQVSLTCLVKGFYPSDIAVEW

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	ESNGQPENNYKTTTPVL DSDGSFFLYSKLTVDKSRWQQGNVFCSSVMHEALHNHY TQKSLSLSPGK
Endotoxin	<0.1 eu="" per="" 1="" μg="" of="" purified="" recombinant="" protein="" determined="" by="" the="" lal="">
Purity	>90% judged by SDS-PAGE under reducing condition
Storage	The product is shipped at 4°C. Upon receipt, centrifuge the product briefly before opening the vial. It is recommended to store small aliquots at the temperature below –20°C for long-term storage and the product is stable for 3 months. The undiluted protein can be stored at 4°C for no more than 2 weeks. Avoid repeated freeze-thaw cycles.
Conjugation	Biotin

GENE INFORMATION

Gene Name	NCR3 natural cytotoxicity triggering receptor 3 [Homo sapiens]
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

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Protein Refseq	NP_001138938
MIM	611550
UniProt ID	O14931
Chromosome Location	6p21.3
Pathway	Natural killer cell mediated cytotoxicity, organism-specific biosystem; Natural killer cell mediated cytotoxicity, conserved biosystem;
Function	receptor activity;

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