

Recombinant Cynomolgus NCR3 protein, His-tagged

Cat. No. NCR3-499C **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant Cynomolgus NCR3 (Asp25-Asp259) protein was fused to His-tag at C-terminus and expressed in human 293 cells (HEK293).
Species	Cynomolgus
Source	HEK293
ProteinLength	Asp25-Asp259
Description	The B7 family of genes is essential in the regulation of the adaptive immune system. one of which is the recently discovered B7H6. Humans and rats have a single B7H6 gene; however, many B7H6 genes were detected in a single large cluster in the Xenopus genome. Chimeric antigen receptor (CAR) T-cell therapies have demonstrated durable and potentially curative therapeutic efficacy against B-cell leukemia in clinical trials. In this study, B7H6, a ligand for the NK cell activating receptor NKp30, was targeted to create a CAR that targets multiple tumor types. B7H6 is expressed on various primary human tumors, including leukemia, lymphoma and gastrointestinal stromal tumors, but it is not constitutively expressed on normal tissues.
Predicted N Terminal	Asp25
Form	Lyophilized from 0.22 µm filtered solution in PBS, pH7.4, 10% trehalose.
Molecular Mass	The protein has a calculated MW of 28.4 kDa. The protein migrates as 38-50 KDa

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	under reducing (R) condition (SDS-PAGE) due to glycosylation.
Endotoxin	Less than 1.0 EU per µg 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 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°C before opening to recover the entire contents.

GENE INFORMATION

Gene Name	NCR3
Official Symbol	NCR3
Synonyms	ncr; NKp30; NK-p30
Gene ID	102133932
mRNA Refseq	XM_005553542.2
Protein Refseq	XP_005553599.1
UniProt ID	P61483

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Bioactivity of NCR3-499C

Immobilized Human NKp30, Fc Tag at 5 µg/mL (100 µL/well) can bind Cynomolgus B7-H6 with a linear range of 0.625-5 µg/mL (QC tested).

SDS-PAGE of NCR3-499C

Cynomolgus B7-H6 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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