Recombinant Human NCR3 protein, His-tagged

Cat. No. NCR3-785H **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant Human NCR3 (Asp25-Ser262) protein was fused to His-tag at C-terminus and expressed in human 293 cells (HEK293).
Species	Human
Source	HEK293
ProteinLength	Asp25-Ser262
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 28.6 kDa. The protein migrates as 38-55 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	>90% 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℃ before opening to recover the entire contents.

GENE INFORMATION

Gene Name	NCR3
Official Symbol	NCR3
Synonyms	1C7; MALS; CD337; LY117; NKp30
Gene ID	259197
mRNA Refseq	NM_147130.3
Protein Refseq	NP_667341.1
MIM	611550

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UniProt ID	O14931
Bioactivity-ELISA of NCR3-785H	Immobilized Human NKp30, Fc Tag at 10 μg/mL (100 μL/well) can bind Human B7-H6, His Tag with a linear range of 0.016-0.25 μg/mL (QC tested).
SDS-PAGE of NCR3-785H	Human B7-H6, His Tag on SDS-PAGE under reducing (R) condition. The gel was stained overnight with Coomassie Blue. The purity of the protein is greater than 90%.

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