

NKp30/NCR3 Active Protein | NCR3 active protein

NKp30/NCR3 Protein, Human, Recombinant (His Tag)

CATALOG #
AAA257889

HOST
HEK293 Cells

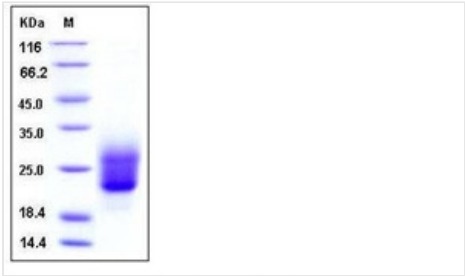
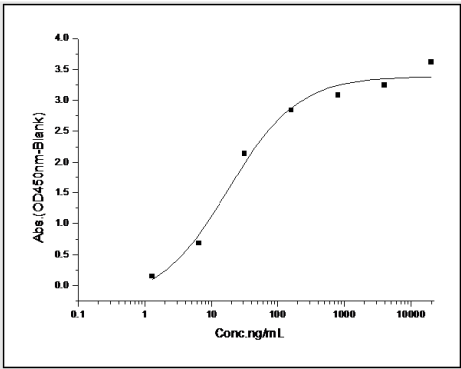
PRODUCT SYNONYMS

NKp30/NCR3; NKp30/NCR3 Protein; Human; Recombinant (His Tag); Human NCR3/NKp300 Protein (His Tag); 1C7 Protein; CD337 Protein; DAAP-90L16.3 Protein; LY117 Protein; MALS Protein; NCR3 Protein; NKp30 Protein; natural cytotoxicity triggering receptor 3; NCR3 active protein

PRODUCT SPECIFICATIONS

Host	HEK293 Cells
Purity/Purification	>97% as determined by SDS-PAGE
Form/Format	Lyophilized from sterile PBS, pH7.4. Normally 5%-8% trehalose, mannitol and 0.01% Tween80 are added as protectants before lyophilization. Please refer to the specific buffer information in the hard copy of CoA.
Sequence	Met1-Gly13 5
Species	Human
Endotoxin	<1.0EU per ug of the protein as determined by the LAL method
Predicted N Terminal	Leu 19
Tag	C-His
Protein Construction	A DNA sequence encoding the extracellular domain (Met 1-Gly 135) of human NCR3 (NP_667341.1) precursor was fused with a polyhistidine tag at the C-terminus.
Reconstitution	A hardcopy of COA with reconstitution instruction is sent along with the products. Please refer to it for detailed information.
Activity	1.Measured by its binding ability in a functional ELISA. 2.Immobilized human NCR3 at 10ug/mL (100uL/well) can bind human B7-H6. The EC50 of human B7-H6 is 20-100ng/mL.
Preparation and Storage	Samples are stable for up to twelve months from date of receipt at -20 degree C to -80 degree C. Store it under sterile conditions at -20 degree C to -80 degree C. It is recommended that the protein be aliquoted for optimal storage. Avoid repeated freeze-thaw cycles. In general, recombinant proteins are provided as lyophilized powder which are shipped at ambient temperature. Bulk packages of recombinant proteins are provided as frozen liquid. They are shipped out with blue ice.

IMAGES



SDS-PAGE

Application Data
Measured by its binding ability in a functional ELISA. Immobilized human NCR3 at 10 ug/mL (100 uL/well) can bind human B7-H6, the EC50 of human B7-H6 is 20-100 ng/mL.

ADDITIONAL INFORMATION

Related Product Information for NCR3 active protein	Background: Natural Cytotoxicity Triggering Receptor 3, NCR3, also known as NKp30, or CD337, is a natural cytotoxicity receptor, expressed on subsets of human peripheral blood NK cells, involved in NK cell killing of tumor cells and immature dendritic cells. The cellular ligand for NKp30 has remained elusive, but the membrane-associated heparan sulfate (HS) proteoglycans are involved in the recognition of cellular targets by NKp30 was recently reported. NKp30 is a member of the immunoglobulin superfamily and one of three existing natural cytotoxicity-triggering receptors. NKp30 is a glycosylated protein and is thought to be selectively expressed in resting and activated natural killer cells. NKp30 is a stimulatory receptor on human NK cells implicated in tumor immunity and is capable of promoting or terminating dendritic cell maturation. NCR3 may play a role in inflammatory and infectious diseases.
Product Categories/Family for NCR3 active protein	ITIM/ITAM Immunoreceptors and Related Molecules
References	Warren HS, et al. (2005) Evidence that the cellular ligand for the human NK cell activation receptor NKp30 is not a heparan sulfate glycosaminoglycan. J Immunol. 175(1): 207-12.Mulcahy H, et al. (2006) LST1 and NCR3 expression in autoimmune inflammation and in response to IFN-gamma, LPS and microbial infection. Immunogenetics. 57(12): 893-903.Hsieh CL, et al. (2006) NKp30 is a functional activation receptor on a subset of rat natural killer cells. Eur J Immunol. 36(8): 2170-80.Ponnampalam AP, et al. (2008) Identification and hormonal regulation of a novel form of NKp30 in human endometrial epithelium. Eur J Immunol. 38(1): 216-26.

NCBI AND UNIPROT INFORMATION

NCBI GI #	24475832
NCBI GeneID	259197
NCBI Accession #	NP_667341.1
NCBI GenBank Nucleotide #	NM_147130.2
UniProt Accession #	O14931; O14930; O14932; O95667; O95668; O95669; Q5ST89; Q5ST90; Q5ST91; B0S8F2; B0S8F4; B0S8F5
Molecular Weight	16,393 Da
NCBI Official Full Name	natural cytotoxicity triggering receptor 3 isoform a
NCBI Official Synonym Full Names	natural cytotoxicity triggering receptor 3
NCBI Official Symbol	NCR3
NCBI Official Synonym Symbols	1C7; MALS; CD337; LY117; NKp30
NCBI Protein Information	natural cytotoxicity triggering receptor 3
UniProt Protein Name	Natural cytotoxicity triggering receptor 3

UniProt Gene Name	NCR3
UniProt Synonym Gene Names	1C7; LY117; NK-p30; NKp30
UniProt Entry Name	NCTR3_HUMAN

For Research Use Only. Not for use in diagnostic or therapeutic procedures. Small volumes of product may become entrapped in the seal of the vial during shipment and storage; if necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the cap.

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Online datasheet: <https://stage.aaabiotech.com/hek293-cells-active-protein/nkp30-ncr3/257889>