

NKp46/NCR1 Recombinant Protein | NCR1 recombinant protein

Recombinant Human NKp46/NCR1 Protein (ECD, His Tag), HPLC-verified

CATALOG # AAA259308	HOST HEK293 Cells	REACTIVITY Human
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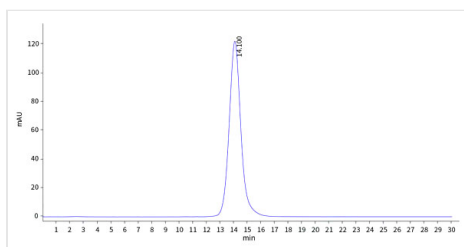
PRODUCT SYNONYMS

NKp46/NCR1; Recombinant Human NKp46/NCR1 Protein (ECD; His Tag); HPLC-verified; Human NKp46/NCR1 Protein (ECD; natural cytotoxicity triggering receptor 1; CD335 Protein; Human; LY94 Protein; NK-p46 Protein; NKP46 Protein; NCR1 recombinant protein

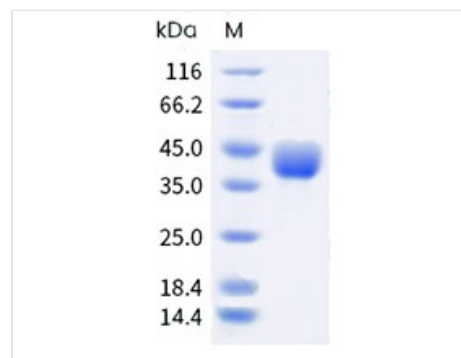
PRODUCT SPECIFICATIONS

Host	HEK293 Cells
Reactivity	Human
Purity/Purification	>= 95% as determined by SDS-PAGE. >= 95% as determined by SEC-HPLC.
Form/Format	Lyophilized from sterile PBS, pH 7.4. Normally 5%-8% trehalose, mannitol and 0.01% Tween80 are added as protectants before lyophilization.
Sequence	Gln22-Gln2 54
Tag	C-His
Predicted N Terminal	Gln 22
Endotoxin	< 1.0 EU perug of the protein as determined by the LAL method
Protein Construction	A DNA sequence encoding the Human NCR1 (O76036-1)(Gln22-Gln254) was expressed with a polyhistidine tag at the C-terminus.
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 unless customers require otherwise.

IMAGES



Application Data



Application Data

ADDITIONAL INFORMATION

Related Product Information for NCR1 recombinant protein	NCR1, also known as NK-p46 and CD335, is a natural cytotoxicity receptor(NCR). NCRs are type I transmembrane proteins with 1-2 extracellular immunoglobulin domains, a transmembrane domain containing a positively charged amino acid residue, and a short cytoplasmic tail. All are expressed almost exclusively by NK cells and play a major role in triggering NK-mediated killing of most tumor cell lines. Nkp46 has two extracellular Ig-like domains followed by a ~40 residue stalk region, a type I transmembrane domain, and a short cytoplasmic tail. Nkp46 has been implicated in NK cell-mediated lysis of several autologous tumor cells, pathogen-infected cell lines, and mononuclear phagocytes infected with an intracellular bacterium.
Product Categories/Family for NCR1 recombinant protein	ITIM/ITAM Immunoreceptors and Related Molecules
References	Carbon. E. e. al. (2005. HL. clas. I. NKG2D. an. natura. cytotoxicit. receptor. regulat. multipl. myelom. cel. recognitio. b. natura. kille. cells. Blood. 105(1):251-8.Sivor. S. e. al. (1997. p46. . Nove. Natura. Kille. Cell-specifi. Surfac. Molecul. Tha. Mediate. Cel. Activation. . Ex. Med. 186(7):1129-36.Biasson. R. e. al. (2004. Huma. natura. kille. cel. receptors. insight. int. thei. molecula. functio. an. structure. . Cel. Mo. Med. 7(4):376-87.

NCBI AND UNIPROT INFORMATION

NCBI GI #	224586786
NCBI GeneID	9437
NCBI Accession #	NP_001138929.1
NCBI GenBank Nucleotide #	NM_001145457.1
UniProt Accession #	O76036; O76016; O76017; O76018; B0V3L2; B0V3L3; B0V3L4; B0V3L5; B8JL03
Molecular Weight	34,481 Da
NCBI Official Full Name	natural cytotoxicity triggering receptor 1 isoform b
NCBI Official Synonym Full Names	natural cytotoxicity triggering receptor 1
NCBI Official Symbol	NCR1
NCBI Official Synonym Symbols	LY94; CD335; NKP46; NK-p46
NCBI Protein Information	natural cytotoxicity triggering receptor 1; NK cell-activating receptor; natural killer cell p46-related protein; lymphocyte antigen 94 homolog (activating NK-receptor; NK-p46)
UniProt Protein Name	Natural cytotoxicity triggering receptor 1
UniProt Gene Name	NCR1
UniProt Synonym Gene Names	LY94; NK-p46; NKP46; hNKP46
UniProt Entry Name	NCTR1_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.