

Active Recombinant Mouse NCR1 protein, His-tagged

Cat. No. NCR1-10489M **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant Mouse NCR1 (NP_034876.2) (Met1-Asn255) was expressed in HEK293 with a polyhistidine tag at the C-terminus.
Species	Mouse
Source	HEK293
ProteinLength	Met1-Asn255
Description	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 ~4 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.
Predicted N Terminal	Gln 17
Form	Lyophilized from sterile PBS, pH 7.4. Normally 5 % - 8 % trehalose, mannitol and 0.01% Tween80 are added as protectants before lyophilization.
Bio-activity	Measured by its ability to bind with recombinant human CD247/Biotin in a functional

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	ELISA.
Molecular Mass	The recombinant mouse NCR1 consists of 250 amino acids and predicts a molecular mass of 28.6 kDa.
Endotoxin	<1.0 EU per µg protein as determined by the LAL method.
Purity	>95% as determined by SDS-PAGE.
Stability	Samples are stable for up to twelve months from date of receipt at -20°C to -80°C
Storage	Store it under sterile conditions at -20°C to -80°C. It is recommended that the protein be aliquoted for optimal storage. Avoid repeated freeze-thaw cycles.
Reconstitution	It is recommended that sterile water be added to the vial to prepare a stock solution of 0.2 mg/ml. Centrifuge the vial at 4°C before opening to recover the entire contents.
Shipping	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.

GENE INFORMATION

Gene Name	NCR1
Official Symbol	NCR1
Synonyms	Ly94 Protein, Mouse; NKp46 Protein, Mouse
Gene ID	17086

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mRNA Refseq	NM_010746.3
Protein Refseq	NP_034876.2
UniProt ID	Q8C567

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