

## NKp46/NCR1 Protein, Rat (HEK293, Fc)

Cat. No.:	HY-P76514
Synonyms:	Activating receptor1; mAR-1; Lymphocyte antigen94; Naturalkiller cell p46-related protein; NK-p46; NKp46; mNKp46
Species:	Rat
Source:	HEK293
Accession:	Q9Z0H5 (Q17-N255)
Gene ID:	117547
Molecular Weight:	Approximately 65&36 kDa.

### PROPERTIES

Appearance	Lyophilized powder.
Formulation	Lyophilized from a 0.2 $\mu$ m filtered solution of PBS, pH 7.4. Normally 5 % - 8 % trehalose, mannitol and 0.01% Tween 80 are added as protectants before lyophilization.
Endotoxin Level	<1 EU/ $\mu$ g, determined by LAL method.
Reconstitution	It is not recommended to reconstitute to a concentration less than 100 $\mu$ g/mL in ddH <sub>2</sub> O.
Storage & Stability	Stored at -20°C for 2 years. After reconstitution, it is stable at 4°C for 1 week or -20°C for longer (with carrier protein). It is recommended to freeze aliquots at -20°C or -80°C for extended storage.
Shipping	Room temperature in continental US; may vary elsewhere.

### DESCRIPTION

Background	As a cytotoxicity-activating receptor, NKp46/NCR1 stands at the forefront of natural killer (NK) cell functionality, potentially bolstering the efficacy of activated NK cells in the targeted lysis of tumor cells. This receptor, instrumental in mediating the cytotoxicity response, engages with CD3Z and FCER1G, thereby orchestrating essential interactions that enhance the NK cell's capacity for tumor cell destruction. The intricate interplay between NKp46/NCR1 and its associated proteins underscores its pivotal role in regulating and augmenting the cytotoxic functions of activated NK cells, positioning it as a key player in immune surveillance and antitumor immunity.
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**Caution: Product has not been fully validated for medical applications. For research use only.**

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