

## NKp44/NCR2 Protein, Human (169a.a, HEK293, His)

Cat. No.:	HY-P72502
Synonyms:	Natural cytotoxicity triggering receptor 2; NKp44; CD336; NCR2; LY95
Species:	Human
Source:	HEK293
Accession:	O95944 (Q22-P190)
Gene ID:	9436
Molecular Weight:	30-38 kDa

### PROPERTIES

AA Sequence	<p>Q S K A Q V L Q S V    A G Q T L T V R C Q    Y P P T G S L Y E K    K G W C K E A S A L</p> <p>V C I R L V T S S K    P R T M A W T S R F    T I W D D P D A G F    F T V T M T D L R E</p> <p>E D S G H Y W C R I    Y R P S D N S V S K    S V R F Y L V V S P    A S A S T Q T S W T</p> <p>P R D L V S S Q T Q    T Q S C V P P T A G    A R Q A P E S P S T    I P V P S Q P Q N S</p> <p>T L R P G P A A P</p>
Appearance	Lyophilized powder.
Formulation	Lyophilized from a 0.2 µm filtered solution of PBS, pH 7.4.
Endotoxin Level	<1 EU/µg, determined by LAL method.
Reconstitution	It is not recommended to reconstitute to a concentration less than 100 µg/mL in ddH <sub>2</sub> O. For long term storage it is recommended to add a carrier protein (0.1% BSA, 5% HSA, 10% FBS or 5% Trehalose).
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	<p>The NKp44/NCR2 protein functions as a cytotoxicity-activating receptor, potentially enhancing the efficiency of activated natural killer (NK) cells in mediating the lysis of tumor cells. This receptor interacts with TYROBP/DAP12, a crucial signaling adapter protein, which is essential for transducing signals that lead to NK cell activation and cytotoxicity against target cells. Additionally, NKp44/NCR2 protein interacts with KMT2E isoform NKp44L, further contributing to the complex molecular interactions involved in the regulation of NK cell responses. The collaborative engagement of NKp44/NCR2 with these signaling partners underscores its significance in the immune surveillance and anti-tumor activities of activated NK cells.</p>
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**Caution: Product has not been fully validated for medical applications. For research use only.**

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