

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

Cat. No.:	HY-P74685
Synonyms:	Natural cytotoxicity triggering receptor 2; NKp44; CD336; NCR2; LY95
Species:	Human
Source:	HEK293
Accession:	O95944 (Q22-P190)
Gene ID:	9436
Molecular Weight:	Approximately 20 kDa

PROPERTIES

Appearance	Lyophilized powder.
Formulation	Lyophilized from a 0.2 µm 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/µg, determined by LAL method.
Reconstitution	It is not recommended to reconstitute to a concentration less than 100 µg/mL in ddH ₂ 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	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.
------------	--

Caution: Product has not been fully validated for medical applications. For research use only.

Tel: 609-228-6898

Fax: 609-228-5909

E-mail: tech@MedChemExpress.com

Address: 1 Deer Park Dr, Suite Q, Monmouth Junction, NJ 08852, USA