

## NKp80/KLRF1 Protein, Cynomolgus (HEK293, Fc)

Cat. No.:	HY-P77453
Synonyms:	Killer cell lectin-like receptor subfamily F member 1; Activating coreceptor NKp80; KLRF1; CLEC5C; ML
Species:	Cynomolgus
Source:	HEK293
Accession:	Q8MI05 (V66-Y231)
Gene ID:	102141941
Molecular Weight:	Approximately 53-75 kDa

### PROPERTIES

AA Sequence	V L L K C Q K G S H      S N T T E H E D I G      D L K M N N G T R R      N T S N K D L C V S R S A D Q T V L C Q      S E W L K Y R G K C      Y W F S N E M K S W      S D S Y V Y C L E R K S H L L I I Q D E      L E M A F I Q K N L      R Q S N Y V W M G L      N F T S L K M T W T W V D G S P L D P K      I F F I K G P A K E      N S C A A I K E S K      I Y S E T C S S V F K W I C Q Y
Biological Activity	Measured by the ability of the immobilized protein to support the adhesion of U937 cells. When $5 \times 10^4$ cells/well are added to Recombinant Cynomolgus NKp80 coated plates (5 µg/mL, 100 µL/well), 67.36% cells will adhere after 1 hour incubation.
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 <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	NKp80/KLRF1 Protein is intricately linked to the natural killer (NK)-mediated cytotoxicity of PHA-induced lymphoblasts, playing a pivotal role in this immune response. The protein functions as a homodimer, highlighting its structural arrangement in the cellular context. Its involvement in NK-mediated cytotoxicity emphasizes its significance in the immune system's ability to target and eliminate specific cell populations, contributing to the intricate network of cellular defense mechanisms.
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**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](mailto:tech@MedChemExpress.com)

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