# **PRODUCT INFORMATION**

**Expression system** Baculovirus

**Domain** 17-255aa

**UniProt No.** Q8C567

NCBI Accession No. NP\_034876.1

## **Alternative Names**

NKp46 Extracellular Ig-like domain, NK-p46, NK cell-activating receptor, NCR1, NCR, Natural killer cell p46related protein, Natural cytotoxicity triggering receptor 1 isoform a, Natural cytotoxicity triggering receptor 1, Lymphocyte antigen 94 homolog, Ly96, LY94, hNKp46, CD335 antigen

# **PRODUCT SPECIFICATION**

## Molecular Weight

54.4 kDa (481aa)

**Concentration** 0.25mg/ml (determined by absorbance at 280nm)

Formulation

Liquid in. Phosphate-Buffered Saline (pH 7.4) containing 10% glycerol

**Purity** > 85% by SDS-PAGE

**Endotoxin level** < 1 EU per 1ug of protein (determined by LAL method)

**Tag** hIgG-His-Tag

Application SDS-PAGE

### **Storage Condition**

Can be stored at +2C to +8C for 1 week. For long term storage, aliquot and store at -20C to -80C. Avoid repeated freezing and thawing cycles.

## BACKGROUND

## Description

Ncr1, as known as natural cytotoxicity triggering receptor 1, is a natural killer cell p46-related protein. This protein, along with NKp30 and NKp44, are activiting receptors that belongs to the natural cytotoxicity receptor



family. These receptors are expressed by NK cells in the peripheral blood and spleen expresses NKp46 in both resting and activated states. Also, it may contribute to the increased efficiency of activated NK cells to meditate tumor cell lysis. Recombinant mouse Ncr1, fused to hlgG-His-tag at C-terminus, was expressed in insect cell and purified by using conventional chromatography techniques.

### **Amino acid Sequence**

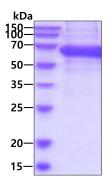
<ADL>QRINTEK ETLPKPIIWA KPSIMVTNGN SVNIWCQGAQ SASEYQLYFE GSFFALERPK PSRSMNKVRF FISQMTSHTA GIYTCFYQSG ELWSKSSNPL KLVVTGLYDT PNLWVYPRPE VTLGENVTFF CQLKTATSKF FLLKERGSNH IQNKYGNIQA EFPMGPVTRA HRGTYRCFGS YNDYAWSFPS EPVTLLITGG VENSSLAPTD PTSSLDYWEF DLSTNESGLQ KDSAFWDHTT QN<LEPKSCDK THTCPPCPAP ELLGGPSVFL FPPKPKDTLM ISRTPEVTCV VVDVSHEDPE VKFNWYVDGV EVHNAKTKPR EEQYNSTYRV VSVLTVLHQD WLNGKEYKCK VSNKALPAPI EKTISKAKGQ PREPQVYTLP PSRDELTKNQ VSLTCLVKGF YPSDIAVEWE SNGQPENNYK TTPPVLDSDG SFFLYSKLTV DKSRWQQGNV FSCSVMHEAL HNHYTQKSLS LSPGKHHHHH H>

#### **General References**

Sheppard S., et al, (2013) Blood 121:5025-5033. Walzer T., et al, (2007) Proc. Natl. Acad. Sci. U.S.A. 104:3384-3389.

## DATA

#### SDS-PAGE



3ug by SDS-PAGE under reducing condition and visualized by coomassie blue stain