

Recombinant mouse NKp46/NCR1 protein

Catalog Number: ATGP3464

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 p46-related 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 activating receptors that belongs to the natural cytotoxicity receptor

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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 mediate 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

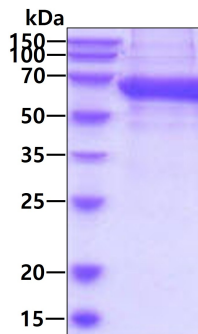
<ADL>QRINTEK ETLPKPIWA KPSIMVTNGN SVNIWCQGAQ SASEYQLYFE GSFFALERPK PSRSMNKVRF FISQMTSHTA GIYTCFYQSG ELWSKSSNPL KLVVTGLYDT PNLWVYPRPE VTLGENVTFF CQLKTATSKF FLLKERGSNH IQNKYGNIAQ EFPMGPVTRA HRGTYRCFGS YNDYAWSFPS EPVTLITGG VENSSLAPTD PTSSLDYWEF DLSTNESGLQ KDSAFWDHTT QN<LEPKSCDK THTCPAP ELLGGPSVFL FPPKPKDTLM ISRTPEVTCV VVDVSHEDPE VKFNWYVDGV EVHNAKTKPR EEQYNSTYRV VSVLTVLHQD WLNGKEYKCK VSNKALPAPI EKTISKAKGQ PREPQVYTLPSRDELTKNQ VSLTCLVKGF YPSDIAVEWE SNGQPENNYK TTPPVLDSDG SFFLYSKLTV DKSRWQQGNV FSCSVMEAL HNHYTQKSLSLSPGKHHHHH 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