

# Recombinant human NKp30/NCR3 protein

Catalog Number: ATGP2583

## PRODUCT INFORMATION

**Expression system**

E.coli

**Domain**

19-138aa

**UniProt No.**

O14931

**NCBI Accession No.**

NP\_001138939

**Alternative Names**

Natural cytotoxicity triggering receptor 3, 1C7, CD337, LY117, MALS, NKp30

## PRODUCT SPECIFICATION

**Molecular Weight**

15.3 kDa (141aa) confirmed by MALDI-TOF

**Concentration**

0.5mg/ml (determined by Bradford assay)

**Formulation**

Liquid in. 20mM Tris-HCl buffer (pH 8.0) containing 0.15M NaCl, 10% glycerol, 1mM DTT

**Purity**

> 90% by SDS-PAGE

**Tag**

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**

NCR3, also known as NKP30, is a natural cytotoxicity receptor (NCR) that may aid NK cells in the lysis of tumor cells. The encoded protein interacts with CD3-zeta (CD247), a T-cell receptor. A single nucleotide polymorphism in the 5' untranslated region of this gene has been associated with mild malaria susceptibility. Three transcript variants encoding different isoforms have been found for this gene. Recombinant human NCR3 protein, fused to His-tag at N-terminus, was expressed in E. coli and purified by using conventional chromatography techniques.

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### Amino acid Sequence

MGSSHHHHHH SSGLVPRGSH MLWVSQPPEI RTLEGSSAFL PCSFNASQGR LAIGSVTWFR DEVVPGKEVR NGTPEFRGRL  
APLASSRFLH DHQAELHIRD VRGHDASIYV CRVEVLGLGV GTGNGTRLVV EKEHPQLGAG T

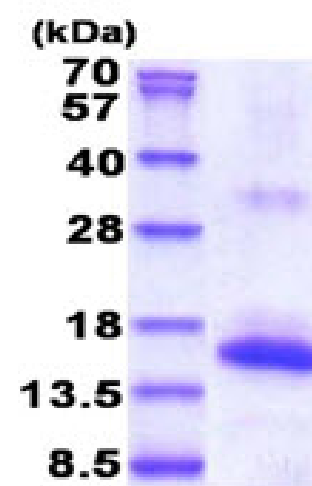
### General References

Venter J.C., et al. (2001) Science. 291:1304-1351

Gerhard D.S., et al. (2004) Genome Res. 14:2121-2127

## DATA

### SDS-PAGE



15% SDS-PAGE (3ug)

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