

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

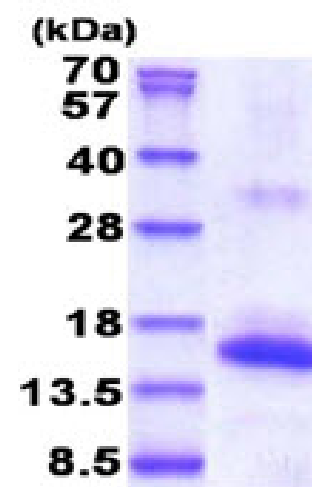
General References

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

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

DATA

SDS-PAGE



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

15% SDS-PAGE (3ug)