

PRODUCT INFORMATION

NKG2A **Target**

Synonyms NKG2; KLRC1; CD159A

Recombinant Cynomolgus NKG2A protein with N-Description

terminal human Fc tag

Delivery In Stock **Uniprot ID** Q68VD2 **Expression Host HEK293**

Tag N-Human Fc tag

Molecular

Purity

hFc(Glu99-Ala330) NKG2A(Pro94-Leu233) Characterization

The protein has a predicted molecular mass of **Molecular Weight** 42.0 kDa after removal of the signal peptide.

The purity of the protein is greater than 90% as determined by SDS-PAGE and Coomassie blue

staining.

Lyophilized from sterile PBS, pH 7.4. Normally 5 % – 8% trehalose is added as protectants before Formulation &

lyophilization. Please see Certificate of Analysis Reconstitution

for specific instructions of reconstitution. Store at -20°C to -80°C for 12 months in lyophilized form. After reconstitution, if not

intended for use within a month, aliquot and store at -80°C (Avoid repeated freezing and thawing). Storage & Shipping

Lyophilized proteins are shipped at ambient

temperature.

Natural killer (NK) cells are lymphocytes that can mediate lysis of certain tumor cells and virusinfected cells without previous activation. They can also regulate specific humoral and cellmediated immunity. The protein encoded by this gene belongs to the killer cell lectin-like receptor family, also called NKG2 family, which is a group of transmembrane proteins preferentially expressed in NK cells. This family of proteins is

characterized by the type II membrane

Background orientation and the presence of a C-type lectin

domain. This protein forms a complex with another family member, KLRD1/CD94, and has been implicated in the recognition of the MHC class I HLA-E molecules in NK cells. The genes of NKG2 family members form a killer cell lectin-like receptor gene cluster on chromosome 12.

Multiple alternatively spliced transcript variants encoding distinct isoforms have been observed.

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[provided by RefSeq, Jan 2015]

Usage Research use only

Conjugate Unconjugated





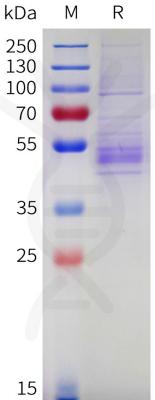


Figure 1. Cynomolgus NKG2A Protein, hFc Tag on SDS-PAGE under reducing condition.

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