ELK Biotechnology

Recombinant Human NKG2A & CD94 Heterodimer (N-8His-Flag)

Catalog #	EPT243
Expression Host	Human Cells
DESCRIPTION	Recombinant Human Human NKG2A & CD94 Heterodimer is produced by our Mammalian expression system and the target gene encoding Arg100-Leu233 & Ser34-Ile179 is expressed with a 8His, Flag tag at the N-terminus.
Accession	P26715&Q13241
Synonyms	NKG2A&CD94 Heterodimer; KLRC1&CD94 Heterodimer; CD159A&KLRD1 Heterodimer
Mol Mass	34.4 KDa
AP Mol Mass	25-40 KDa, reducing conditions
Purity	Greater than 95% as determined by reducing SDS-PAGE.
Endotoxin	Less than 0.1 ng/μg (1 EU/μg) as determined by LAL test.
FORMULATION	Lyophilized from a 0.2 μm filtered solution of PBS, pH

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7.4.

RECONSTITUTION

Always centrifuge tubes before opening.Do not mix by vortex or pipetting.

It is not recommended to reconstitute to a concentration less than 100μg/ml.

Dissolve the lyophilized protein in distilled water.

Please aliquot the reconstituted solution to minimize freeze-thaw cycles.

SHIPPING

The product is shipped at ambient temperature.

Upon receipt, store it immediately at the temperature listed below.

STORAGE

Lyophilized protein should be stored at < -20 ° C, though stable at room temperature for 3 weeks.

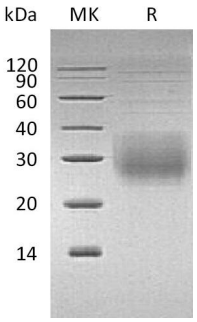
Reconstituted protein solution can be stored at 4-7°C for 2-7 days.

Aliquots of reconstituted samples are stable at < -20° C for 3 months.

BACKGROUND

NKG2-A/NKG2-B Type II Integral Membrane Protein contains 1 C-type lectin domain and belongs to the killer cell lectin-like receptor family. The killer cell lectin-like receptor family is a group of transmembrane proteins preferentially expressed in

NK cells. Natural killer (NK) cells are a distinct lineage of lymphocytes that mediate cytotoxic activity and secrete cytokines upon immune stimulation. CD94 (Cluster of Differentiation 94), also known as killer cell lectin-like receptor subfamily D member 1 (KLRD1), is expressed on the surface of natural killer cells in the innate immune system. CD94 Plays a role as a receptor for the recognition of MHC class I HLA-E molecules by NK cells and some cytotoxic T-cells. CD94 Can form disulfide-bonded heterodimer with NKG2 family members. The CD94/NKG2 complex, on the surface of natural killer cells interacts with Human Leukocyte Antigen (HLA)-E on target cells.



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