

# Recombinant Human NKG2A & CD94 Heterodimer Protein (His & Flag Tag)



Catalog Number:PKSH032812

**Note:** Centrifuge before opening to ensure complete recovery of vial contents.

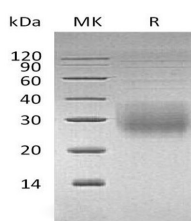
## Description

<b>Synonyms</b>	NKG2A&CD94 Heterodimer;KLRC1&CD94 Heterodimer;CD159A&KLRD1 Heterodimer
<b>Species</b>	Human
<b>Expression Host</b>	HEK293 Cells
<b>Sequence</b>	Arg100-Leu233 & Ser34-Ile179
<b>Accession</b>	P26715&Q13241
<b>Calculated Molecular Weight</b>	34.4 kDa
<b>Observed molecular weight</b>	25-40 kDa
<b>Tag</b>	N-His & N-Flag

## Properties

<b>Purity</b>	> 95 % as determined by reducing SDS-PAGE.
<b>Endotoxin</b>	< 1.0 EU per µg of the protein as determined by the LAL method.
<b>Storage</b>	Generally, lyophilized proteins are stable for up to 12 months when stored at -20 to -80°C. Reconstituted protein solution can be stored at 4-8°C for 2-7 days. Aliquots of reconstituted samples are stable at < -20°C for 3 months.
<b>Shipping</b>	This product is provided as lyophilized powder which is shipped with ice packs.
<b>Formulation</b>	Lyophilized from a 0.2 µm filtered solution of PBS, pH 7.4. Normally 5 % - 8 % trehalose, mannitol and 0.01% Tween80 are added as protectants before lyophilization. Please refer to the specific buffer information in the printed manual.
<b>Reconstitution</b>	Please refer to the printed manual for detailed information.

## Data



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## 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

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surface of natural killer cells interacts with Human Leukocyte Antigen (HLA)-E on target cells.

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