

## Product datasheet for **TP724626**

### Cynomolgus Recombinant Protein

#### Product data:

<b>Product Type:</b>	Recombinant Proteins
<b>Description:</b>	Recombinant Cyno NKG2A & CD94 Heterodimer
<b>Species:</b>	Cynomolgus
<b>Expression cDNA Clone or AA Sequence:</b>	Lys100-Leu233; Ser34-Ile179
<b>Tag:</b>	N-8His&N-FLAG
<b>Buffer:</b>	Lyophilized from a 0.2 um filtered solution of PBS, pH7.4
<b>Note:</b>	Recombinant Cyno NKG2A/CD94 is produced by Human 293 Cells. The target gene encoding Lys100-Leu233 & Ser34-Ile179 is expressed with a 8His & a FLAG tag at the N terminus.
<b>Stability:</b>	12 months from date of despatch
<b>Summary:</b>	NKG2-A contains C-type lectin domain and belongs to the killer cell lectin-like receptor (KLR) family. KLR family is a group of transmembrane proteins preferentially expressed in natural killer (NK) cells. NK cells are a distinct lineage of lymphocytes that mediate cytotoxic activity and secrete cytokines upon immune stimulation. CD94, also known as killer cell lectin-like receptor subfamily D member 1 (KLRD1), is expressed on the surface of NK cells in the innate immune system. CD94 plays a role as a receptor for the recognition of MHC class I Human Leukocyte Antigen (HLA)-E molecules by NK cells and some cytotoxic T-cells. CD94 can form disulfide-bonded heterodimer with NKG2A on the surface of NK cells. The CD94/NKG2A complex interacts with HLA-E on target cells and inhibit the cytotoxic activity of NK cells to prevent cell lysis.



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