

32-8940: Recombinant Human NKG2A & CD94 Heterodimer (N-8His & N-Flag)

Gene : KLRC1
Gene ID : 3821
Uniprot ID : P26715

Description

Source: Human cells.
MW :34.4kD.

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. 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.

Product Info

Amount : 10 µg / 50 µg
Content : Lyophilized from a 0.2 µm filtered solution of PBS, pH7.4.
Storage condition : 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.
Amino Acid : HHHHHHHHRHNNSSLNTRTQKARHCGHCPEEWITYSNSCYIGKERRTWEESSLACTSKNSSLLSIDNEEEMK
FLSIISPSSWIGVFRNSSHPWVTMNGLAFAKHEIKDSNAELNCAVLQVNRKLSAQCGSSIIYHCKHKL&DYKD
DDDKSFTKLSIEPAFTPGPNIELQKSDCCSCQEKWVGRCNCYFISSEQKTWNEHRLCASQKSSLLQLQNTD
ELDFMSSSQFYWIGLSYSEEHTAWLWENGSAQSQYLFPSFETFNKNCIAYNPNGNALDESCEDKNRYICKQ
QLI

Application Note

Endotoxin : Less than 0.1 ng/µg (1 IEU/µg) as determined by LAL test.

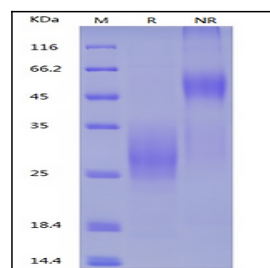


Fig. 1: SDS-PAGE analysis of Recombinant Human NKG2A & CD94 Heterodimer (N-8His & N-Flag) under reducing and non-reducing conditions.