

Product datasheet for **TP724608**

NKG2A (KLRC1) Human Recombinant Protein

Product data:

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| Product Type: | Recombinant Proteins |
| Description: | Recombinant Human NKG2-A/NKG2-B Type II Integral Membrane Protein(N-His) |
| Species: | Human |
| Expression cDNA Clone or AA Sequence: | Arg100-Leu233 |
| Tag: | N-8His |
| Buffer: | Supplied as a 0.2 um filtered solution of PB, pH7.4 |
| Note: | Recombinant Human NKG2-A/NKG2-B Type II Integral Membrane Protein is produced by our Mammalian expression system and the target gene encoding Arg100-Leu233 is expressed with a 8His tag at the N-terminus. |
| Storage: | Store at $\leq -70^{\circ}\text{C}$, stable for 6 months after receipt. Store at $\leq -70^{\circ}\text{C}$, stable for 3 months under sterile conditions after opening. Please minimize freeze-thaw cycles. |
| Stability: | 12 months from date of despatch |
| Locus ID: | 3821 |
| UniProt ID: | P26715 |
| Synonyms: | NKG2-A/NKG2-B type II integral membrane protein; CD159 antigen-like family member A; NK cell receptor A; NKG2-A/B-activating NK receptor; CD159a; KLRC1; NKG2A |
| Summary: | NKG2-A/NKG2-B is a type II integral membrane protein that contains one C-type lectin domain and belongs to the killer cell lectin-like receptor family. This family consists of transmembrane proteins expressed mainly in NK cells and characterized by type II membrane orientation and a C-type lectin domain. NKG2 is exclusively expressed in NK cells, not T or B cells. Studies have shown that NKG2 is a family of related cDNA clones, including NKG2A, NKG2B, NKG2C, and NKG2D, encoding type II integral membrane proteins with a C-type lectin domain at the extracellular C-terminus. NKG2 acts as a receptor for MHC class I HLA-E molecules, recognized by NK cells and some cytotoxic T cells. NKG2A and NKG2B are designated CD159a in the CD antigen nomenclature. Increased expression of NKG2A in tumor-infiltrating NK cells is emerging as a contributor to determining the poor prognosis of hepatocellular, lung, or other carcinomas and may be a predictive factor for tumor metastasis. |


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Protein Families: Transmembrane

Protein Pathways: Antigen processing and presentation, Graft-versus-host disease, Natural killer cell mediated cytotoxicity