

Recombinant Human NKG2A

Catalog No: CB20

Description	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.
Source	Human Cells
Alternative name	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
Accession No.	P26715
Formulation	Lyophilized from a 0.2 µm filtered solution of PBS, pH7.4.
Reconstitution	<p>Always centrifuge tubes before opening. Do not mix by vortex or pipetting.</p> <p>It is not recommended to reconstitute to a concentration less than 100µg/ml.</p> <p>Dissolve the lyophilized protein in distilled water.</p> <p>Please aliquot the reconstituted solution to minimize freeze-thaw cycles.</p>
Quality Control	<p>Purity: Greater than 95% as determined by reducing SDS-PAGE.</p> <p>Endotoxin: Less than 0.1 ng/µg (1 IEU/µg) as determined by LAL test.</p>
Shipping	<p>The product is shipped at ambient temperature.</p> <p>Upon receipt, store it immediately at the temperature listed below.</p>
Storage	<p>Lyophilized protein should be stored at < -20°C, though stable at room temperature for 3 weeks.</p> <p>Reconstituted protein solution can be stored at 4-7°C for 2-7 days.</p> <p>Aliquots of reconstituted samples are stable at < -20°C for 3 months.</p>
Amino Acid Sequence	<p>HHHHHHHHRRHNNSSLNTRTQKARHCGHCPEEWITYSNSCYIGKERRTWEESLLACTSKNSSLLSIDNE EEMKFLSIISPSSWIGVFRNSSHPWVTMNGLAFLKHEIKDSDNAELNCAVLQVNRLKSAQCQSSIIYHCKH KL</p>

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. Members of this proteins is characterized by the type II membrane orientation and the presence of a C-type lectin domain. NKG2 is expressed only in NK-cells, but not in T-cells or B-cells. It has been shown that NKG2 represents a family of related cDNA clones, designated NKG2A, NKG2B, NKG2C, and NKG2D, which encode type 2 integral membrane proteins (extracellular C-terminus) containing a C-type lectin domain. NKG2 plays a role as a receptor for the recognition of MHC class I HLA-E molecules by NK cells and some cytotoxic T-cells. NKG2A and NKG2B have been given the designation CD159a in the nomenclature of CD antigens.

