

Recombinant Human CD159a/KLRC1 Protein (His Tag)^{dq}

Catalog Number:PKSH032813

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by Elabscience

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

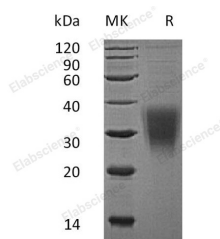
Description

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
Species	Human
Expression Host	HEK293 Cells
Sequence	Arg100-Leu233
Accession	P26715
Calculated Molecular Weight	16.5 kDa
Observed molecular weight	25-40 kDa
Tag	N-His

Properties

Purity	> 95 % as determined by reducing SDS-PAGE.
Endotoxin	< 1.0 EU per µg of the protein as determined by the LAL method.
Storage	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.
Shipping	This product is provided as lyophilized powder which is shipped with ice packs.
Formulation	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.
Reconstitution	Please refer to the printed manual for detailed information.

Data



> 95 % as determined by reducing SDS-PAGE.

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

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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.

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