

For Research Use Only

Recombinant Human NKG2C/CD159c protein (rFc Tag)



Catalog Number: Eg2639

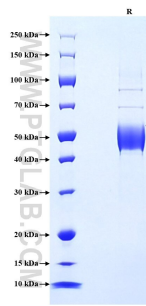
Basic Information	Species: Human	Purity: >90 %, SDS-PAGE	Tag: rFc Tag
Technical Specifications	Purity: >90 %, SDS-PAGE Endotoxin Level: <0.1 EU/µg protein, LAL method Source: HEK293-derived Human NKG2C protein Ile94-Leu231 (Accession# P26717) with a rabbit IgG Fc tag at the C-terminus. GeneID: 3822 Accession: P26717 Predicted Molecular Mass: 41.8 kDa SDS-PAGE: 45-60 kDa, reducing (R) conditions Formulation: Lyophilized from 0.22 µm filtered solution in PBS, pH 7.4. Normally 5% trehalose and 5% mannitol are added as protectants before lyophilization.		
Biological Activity	Not tested		
Storage and Shipping	Storage: It is recommended that the protein be aliquoted for optimal storage. Avoid repeated freeze-thaw cycles. • Until expiry date, -20°C to -80°C as lyophilized proteins. • 3 months, -20°C to -80°C under sterile conditions after reconstitution. Shipping: The product is shipped at ambient temperature. Upon receipt, store it immediately at the recommended temperature.		
Reconstitution	Briefly centrifuge the tube before opening. Reconstitute at 0.1-0.5 mg/mL in sterile water.		
Background	NKG2C, also known as KLRC2 and CD159c, is an activating receptor of natural killer (NK) cells and plays a significant role in immune surveillance and host resistance against viruses and tumors (PMID: 36899273). It is an immune activating receptor involved in self-nonself discrimination. In complex with KLRD1 on cytotoxic lymphocyte subsets, recognizes non-classical major histocompatibility (MHC) class Ib HLA-E loaded with signal sequence-derived peptides from non-classical MHC class Ib HLA-G molecules, likely playing a role in the generation and effector functions of adaptive natural killer (NK) cells and in maternal-fetal tolerance during pregnancy (PMID: 30134159; 37264229; 9754572).		
References	1. Siemaszko J. et al. (2023). Arch Immunol Ther Exp (Warsz). 71(1):9. 2. Rölle A. et al. (2018). Cell Rep. 24(8):1967-1976.e4. 3. Lin Z. et al. (2023). Nat Immunol. 24(7):1087-1097. 4. Llano M. et al. (1998). Eur J Immunol. 28(9):2854-2863.		
Synonyms	KLRC2, CD159c, NK cell receptor C, NKG2 C, NKG2 C activating NK receptor		

For technical support and original validation data for this product please contact

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Selected Validation Data



Purity of Recombinant Human NKG2C was determined by SDS-PAGE. The protein was resolved in an SDS-PAGE in reducing (R) conditions and stained using Coomassie blue.