

Datasheet for ABIN7560454  
**NKG7 Protein (AA 1-165) (His tag)**



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## Overview

Quantity:	1 mg
Target:	NKG7
Protein Characteristics:	AA 1-165
Origin:	Mouse
Source:	HEK-293 Cells
Protein Type:	Recombinant
Purification tag / Conjugate:	This NKG7 protein is labelled with His tag.

## Product Details

Purpose:	Custom-made recombinant Nkg7 Protein expressed in mammalian cells.
Sequence:	MEPCRSLALF AGSLGLTSSL IALTTDFWIV ATGPHFSAHS GLWPTSQETQ VAGYIHVTQS FCILAVLWGL VSVSFLILSC IPALSAPGRG PLVSTVMAFS AALSILVAMA VYTSMRWSQT PFSQVQTFFS WSFYLGWVSF ILFLFAGCLS LGAHCRTRRA EYETL <b>Sequence without tag. The proposed Purification-Tag is based on experiences with the expression system, a different complexity of the protein could make another tag necessary. In case you have a special request, please contact us.</b>
Specificity:	If you are looking for a specific domain and are interested in a partial protein or a different isoform, please contact us regarding an individual offer.
Characteristics:	Key Benefits: <ul style="list-style-type: none"><li>• Made to order protein - from design to production - by highly experienced protein experts.</li><li>• Protein expressed in mammalian cells and purified in one-step affinity chromatography</li><li>• The optimized expression system ensures reliability for intracellular, secreted and</li></ul>

## Product Details

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transmembrane proteins.

- State-of-the-art algorithm used for plasmid design (Gene synthesis).

This protein is a made-to-order protein and will be made for the first time for your order. Our experts in the lab try to ensure that you receive soluble protein.

If you are not interested in a full length protein, please contact us for individual protein fragments.

The big advantage of ordering our made-to-order proteins in comparison to ordering custom made proteins from other companies is that there is no financial obligation in case the protein cannot be expressed or purified.

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Purity:	> 90 % as determined by Bis-Tris PAGE, anti-tag ELISA, Western Blot and analytical SEC (HPLC)
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Grade:	custom-made
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## Target Details

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Target:	NKG7
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Alternative Name:	Nkg7 ( <a href="#">NKG7 Products</a> )
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Background:	Protein NKG7 (Natural killer cell protein 7),FUNCTION: Regulates cytotoxic granule exocytosis in effector lymphocytes, thus acting as a critical mediator of inflammation in a broad range of infectious and non-infectious diseases (PubMed:32839608). Essential for cytotoxic degranulation of natural killer (NK) cells and CD8(+) T-cells and for the activation of CD4(+) T-cells following infection (PubMed:32839608). Plays a critical role in CD8(+) T-cell and NK cell-mediated cytotoxicity of target cells and contributes to the cytolytic activity via the perforin/granzyme pathway by enhancing exocytosis of LAMP1-carrying lytic granules (PubMed:32839608, PubMed:33911019). Contributes to NK cell-mediated control of cancer metastasis (PubMed:32839608). {ECO:0000269 PubMed:32839608, ECO:0000269 PubMed:33911019}.
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Molecular Weight:	18.0 kDa
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UniProt:	<a href="#">Q99PA5</a>
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## Application Details

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Application Notes:	We expect the protein to work for functional studies. As the protein has not been tested for functional studies yet we cannot offer a guarantee though.
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## Application Details

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Restrictions: For Research Use only

## Handling

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Format: Liquid

Buffer: The buffer composition is at the discretion of the manufacturer.

Handling Advice: Avoid repeated freeze-thaw cycles.

Storage: -80 °C

Storage Comment: Store at -80°C.

Expiry Date: 12 months