

## Datasheet for ABIN7319555

### IL-22 Protein

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#### Overview

Quantity:	50 µg
Target:	IL-22 (IL22)
Origin:	Human
Source:	Human Cells
Protein Type:	Recombinant

#### Product Details

Purpose:	Recombinant Human Interleukin-22/IL-22 Protein
Sequence:	Ala34-Ile179
Characteristics:	Recombinant Human Interleukin-22 is produced by our Mammalian expression system and the target gene encoding Ala34-Ile179 is expressed.
Purity:	> 95 % as determined by reducing SDS-PAGE.
Endotoxin Level:	< 1.0 EU per µg as determined by the LAL method.

#### Target Details

Target:	IL-22 (IL22)
Alternative Name:	Interleukin-22/IL-22 ( <a href="#">IL22 Products</a> )
Background:	Background: Interleukin-22(IL-22) is a member of a group of the IL-10 family, a class of potent mediators of cellular inflammatory responses. IL-22 is produced by activated DC and T cells. IL-22 and IL-10 receptor chains play a role in cellular targeting and signal transduction. It can initiate and regulate innate immune responses against bacterial pathogens especially in

## Target Details

epithelial cells such as respiratory and gut epithelial cells. IL-22 along with IL-17 likely plays a role in the coordinated response of both adaptive and innate immune systems. IL-22 also promotes hepatocyte survival in the liver and epithelial cells in the lung and gut similar to IL-10. Biological activity of IL-22 is initiated by binding to a cell-surface complex consisting of IL-22R1 and IL-10R2 receptor chains. IL-22 biological activity is further regulated by interactions with a soluble binding protein, IL-22BP. IL-22BP and an extracellular region of IL-22R1 share sequence similarity. In some cases, the pro-inflammatory versus tissue-protective functions of IL-22 are regulated by cytokine IL-17A.

Synonym: Interleukin-22, IL-22, Cytokine Zcyto18, IL-10-related T-cell-derived-inducible factor, IL-TIF

Molecular Weight:	17.9 kDa
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UniProt:	<a href="#">Q9GZX6</a>
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## Application Details

Restrictions:	For Research Use only
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## Handling

Format:	Lyophilized
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Reconstitution:	Please refer to the printed manual for detailed information.
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Buffer:	Lyophilized from a 0.2 µm filtered solution of PBS, pH 7.4.
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Storage:	4 °C, -20 °C, -80 °C
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Storage Comment:	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.
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