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Datasheet for ABIN7318324  
**COLEC11 Protein (His tag)**

### Overview

Quantity:	50 µg
Target:	COLEC11
Origin:	Human
Source:	Human Cells
Protein Type:	Recombinant
Purification tag / Conjugate:	This COLEC11 protein is labelled with His tag.

### Product Details

Purpose:	Recombinant Human Collectin-11/COLEC11 Protein (His Tag)
Sequence:	Gln26-Met271
Characteristics:	Recombinant Human Collectin-11 is produced by our Mammalian expression system and the target gene encoding Gln26-Met271 is expressed with a 6His tag at the C-terminus.
Purity:	> 95 % as determined by reducing SDS-PAGE.
Endotoxin Level:	< 1.0 EU per µg as determined by the LAL method.

### Target Details

Target:	COLEC11
Alternative Name:	Collectin-11/COLEC11 ( <a href="#">COLEC11 Products</a> )
Background:	Background: Collectin-11 is a secreted protein that belongs to the COLEC10/COLEC11 family. Collectin-11 contains one C-type lectin domain and one collagen-like domain. Collectins play important roles in the innate immune system by binding to carbohydrate antigens on

## Target Details

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microorganisms, facilitating their recognition and removal. Collectin-11 binds to various sugars including fucose and mannose, but does not bind to glucose, N-acetylglucosamine and N-acetylgalactosamine. It has a higher affinity for fucose compared to mannose. Collectin-11 binds lipopolysaccharides (LPS). It also involved in fundamental development serving as a guidance cue for neural crest cell migration. Defects in Collectin-11 are the cause of 3MC syndrome type 2 (3MC2).

Synonym: Collectin-11, Collectin Kidney Protein 1, CL-K1, COLEC11

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Molecular Weight: 27.1 kDa

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UniProt: [Q9BWP8](#)

## Application Details

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Restrictions: For Research Use only

## Handling

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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 20 mM PB, 150 mM NaCl, 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.