

## **Recombinant Human Collectin-11**

## (C-6His)

Catalog #	EPT256
Expression Host	Human Cells
DESCRIPTION	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.
Accession	Q9BWP8
Synonyms	Collectin-11; Collectin Kidney Protein 1; CL-K1;
	COLEC11
Mol Mass	27.14 KDa
AP Mol Mass	30-35 KDa, reducing conditions
Purity	Greater than 90% as determined by reducing
	SDS-PAGE.
Endotoxin	Less than 0.1 ng/µg (1 EU/µg) as determined by LAL
	test.
FORMULATION	Lyophilized from a 0.2 $\mu\text{m}$ filtered solution of 20mM
	PB, 150mM NaCl, pH 7.4.



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RECONSTITUTION Always centrifuge tubes before opening.Do not mix by vortex or pipetting. It is not recommended to reconstitute to a concentration less than 100µg/ml. Dissolve the lyophilized protein in distilled water. Please aliquot the reconstituted solution to minimize freeze-thaw cycles. SHIPPING The product is shipped at ambient temperature. Upon receipt, store it immediately at the temperature listed below. Lyophilized protein should be stored at < -20 ° C, STORAGE though stable at room temperature for 3 weeks. Reconstituted protein solution can be stored at 4-7°C for 2-7 days. Aliquots of reconstituted samples are stable at  $< -20^{\circ}$ C for 3 months. 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



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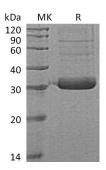
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microorganisms, facilitating their recognition and

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removal. Collectin-11 binds to various sugars including fucose and mannose, but does not bind to N-acetylglucosamine glucose, and N-acetylgalactosamine. It has a higher affinity for fucose compared to mannose. Collectin-11 binds involved lipopolysaccharides (LPS). lt also 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).



## SDS-PAGE

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