

Recombinant Human Collectin-11/COLEC11 Protein(C-6His)

Cat.NO.: TP04917

3th Edition

Synonyms:Collectin-11; Collectin Kidney Protein 1; CL-K1; COLEC11

Description: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 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).

Form:PBS

Molecular Weight:27.1 kDa

Sequences:Gln26-Met271

Purity:> 95% by HPLC

Concentration:

Endotoxin Level:<1.0 EU per 1 ug of protein (determined by LAL method)

Storage:Can be stored at +4°C short term (1-2 weeks). For long term storage, aliquot and store at -20°C or -70°C. Avoid repeated freezing and thawing cycles.