

## 32-9017: Recombinant Mouse Chitinase-Like Protein 3 /YM1/ECF-L/CHI3L3 (C-6His)

**Gene :** Chil3  
**Gene ID :** 12655  
**Uniprot ID :** O35744

### Description

Source: Human Cells.  
MW :43.4kD.

Recombinant Mouse Chitinase-Like Protein 3 is produced by our Mammalian expression system and the target gene encoding Tyr22-Tyr398 is expressed with a 6His tag at the C-terminus. Chitinase 3-like 3 gene, also known as YM1 and ECF-L, encodes a precursor protein with 398 amino acid residues with a 21 residue signal sequence. Chitinase 3-like 3 protein is a lectin that binds saccharides with a free amino group, such as glucosamine or galactosamine. Binding to oligomeric saccharides is much stronger than binding to mono- or disaccharides. Also binds heparin and G1cN oligomers, and is produced primarily by macrophages during inflammation. It has chemotactic activity for T-lymphocytes, bone marrow cells and eosinophils.

### Product Info

**Amount :** 10 µg / 50 µg  
**Content :** Lyophilized from a 0.2 µm filtered solution of PBS, pH7.4.  
**Storage condition :** Lyophilized protein should be stored at -20°C, 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°C for 3 months.  
**Amino Acid :** YQLMCYYTSWAKDRPIEGSFKPGNIDPCLCTHLYAFAGMQNNEITYTHEQDLRDYEALNGLKDKNTELKTLAI  
GGWKFGPASFSAMVSTPQNRQIFIQSIRFLRQYNFDGLNLDWQYPGSRGSPKDKHLFSLVKEMRKAFAEE  
SVEKDIPRLLLTSTGAGIIDVIKSGYKPELSQSLDYIQVMYDLHDPKDGTYGENSPYKSPYDIGKSADLNVDII  
SYWKDHGAASEKLIVGFAYGHTFILSDPSKTGIGAPTISTGPPGKYTDESGLLAYEVCTFLNEGATEVWDAPO  
EVPYAYQGNEWVGYDNVRSFKLKAQWLKDNNLGGAVVWPLDMDDFSGSFCHQRHFPLTSTLKGDLNIHSAS  
CKGPYVDHHHHHH

### Application Note

**Endotoxin :** Less than 0.1 ng/µg (1 IEU/µg) as determined by LAL test.