

# Recombinant Mouse Chitinase 3-like 1 Protein (His Tag)

**RPES8478**



## Product Information

<b>Product SKU:</b> RPES8478	<b>Expression Host:</b> Mammalian	<b>Size:</b> 20µg
<b>Tag:</b> C-His	<b>Reactivity:</b> Mouse	<b>Accession:</b> Q61362

## Additional Information

<b>Calculated MW:</b> 39.5 kDa	<b>Observed MW:</b> 40 kDa
<b>Sequence:</b> Tyr30-Ala389	

## Protein Information

### Background:

Chitinase-3-like protein 1 (CHI3L1) is a secreted heparin-binding glycoprotein whose expression is associated with vascular smooth muscle cell migration. CHI3L1 is expressed at high levels in postconfluent nodular VSMC cultures and at low levels in subconfluent proliferating cultures. CHI3L1 is a tissue-restricted, chitin-binding lectin and member of glycosyl hydrolase family 18. In contrast to many other monocyte/macrophage markers, its expression is absent in monocytes and strongly induced during late stages of Human macrophage differentiation. Elevated levels of CHI3L1 are associated with disorders exhibiting increased connective tissue turnover, such as rheumatoid arthritis, osteoarthritis, scleroderma, and cirrhosis of liver, but is produced in cartilage from old donors or patients with osteoarthritis. CHI3L1 is abnormally expressed in the hippocampus of subjects with schizophrenia and may be involved in the cellular response to various environmental events that are reported to increase the risk of schizophrenia.

### Synonyms:

Brp, YYL, Chil, Chitinase-3-like protein, Breast regression protein, Cartilage glycoprotein 39 (CGP, hCGP, CHI3L, AW208766, Gp39, hCGP-39, YKL40, YKL-40, YYL-40, Chi3l1, Brp39, Chil1, GP-39), Chitinase-3-like protein 1, BRP39 protein, Breast regression protein 39, Cartilage glycoprotein 39 (CGP-39, Cartilage glycoprotein 39, CGP39, CHI3L1, chitinase, chitinase 3 like 1, Chitinase 3 like protein 1 precursor,

Contact Details | Dublin, Ireland

Email: [techsupport@assaygenie.com](mailto:techsupport@assaygenie.com) | Web: [www.assaygenie.com](http://www.assaygenie.com)

Copyright © 2024 Assay Genie Ltd, All Rights Reserved. All information / detail is correct at time of going to print.

Chondrocyte protein YKL40, GP39, HCGP 3P, HCgp39, YKL40, 39 kDa synovial protein, ASRT7, CGP-39, HC-gp39

**Endotoxin:** < 1.0 EU/mg of the protein as determined by the LAL method

**Formulation:** Lyophilized from a 0.2 µm filtered solution in PBS with 5% Trehalose and 5% Mannitol.

**Purity:** > 90% as determined by reducing SDS-PAGE.

**Bio-Activity:** Not validated for activity

**Storage:** 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.