Recombinant Mouse YM1/ECF-L/Chil3 Protein (Pro105Ser)(His Tag)

Catalog No. PKSM041348

Note: Centrifuge before opening to ensure complete recovery of vial contents.

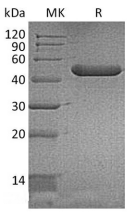
Description

Synonyms	CHI3L3;Chitinase-like protein 3;Chil3;Ym1
Species	Mouse
Expression Host	HEK293 Cells
Sequence	Tyr22-Tyr398
Accession	O35744
Calculated Molecular Weight	43.4 kDa
Observed molecular weight	42-50 kDa
Tag	C-His
Bioactivity	Not validated for activity

Properties

Purity	> 95 % as determined by reducing SDS-PAGE.
Endotoxin	< 1.0 EU per μg of the protein as determined by the LAL method.
Storage	Generally, lyophilized proteins are stable for up to 12 months when stored at -20 to -80℃. Reconstituted protein solution can be stored at 4-8℃ for 2-7 days. Aliquots of reconstituted samples are stable at < -20℃ for 3 months.
Shipping	This product is provided as lyophilized powder which is shipped with ice packs.
Formulation	Lyophilized from a 0.2 μm filtered solution of 20mM PB, 6% Sucrose, 2% Glycine, 0.05% Tween 80, pH7.5. Normally 5% - 8% trehalose, mannitol and 0.01% Tween 80 are added as protectants before lyophilization. Please refer to the specific buffer information in the printed manual.
Reconstitution	Please refer to the printed manual for detailed information.

Data



> 95 % as determined by reducing SDS-PAGE.

Background

Chitinase 3-like 3 gene, also known as YM1 and ECF-L, encodes a precursor protein with 398 amino acid residues with a

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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.

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