

Synonym

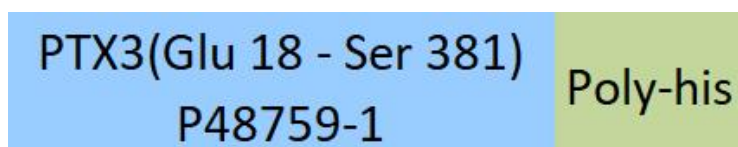
Pentraxin 3, TSG-14, TNFAIP5, Pentraxin-related protein PTX3, PTX3

Source

Mouse PTX3, His Tag(PT3-M52H6) is expressed from human 293 cells (HEK293). It contains AA Glu 18 - Ser 381 (Accession # [P48759-1](#)).

Predicted N-terminus: Glu 18

Molecular Characterization



This protein carries a polyhistidine tag at the C-terminus

The protein has a calculated MW of 41.9 kDa. The protein migrates as 45-55 kDa under reducing (R) condition (SDS-PAGE) due to glycosylation.

Endotoxin

Less than 1.0 EU per µg by the LAL method.

Purity

>90% as determined by SDS-PAGE.

Formulation

Lyophilized from 0.22 µm filtered solution in PBS, pH7.4 with trehalose as protectant.

Contact us for customized product form or formulation.

Reconstitution

Please see Certificate of Analysis for specific instructions.

For best performance, we strongly recommend you to follow the reconstitution protocol provided in the CoA.

Storage

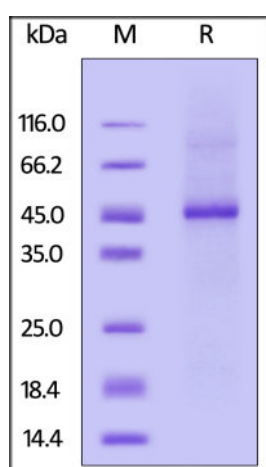
For long term storage, the product should be stored at lyophilized state at -20°C or lower.

Please avoid repeated freeze-thaw cycles.

This product is stable after storage at:

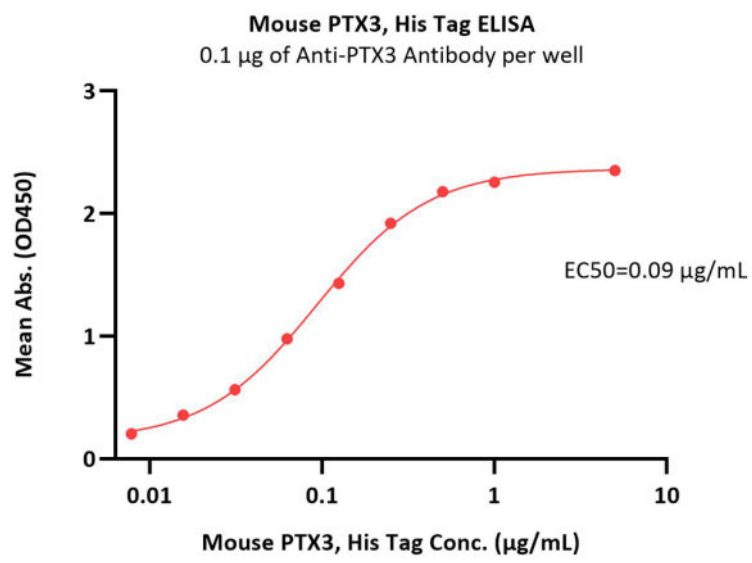
- -20°C to -70°C for 12 months in lyophilized state;
- -70°C for 3 months under sterile conditions after reconstitution.

SDS-PAGE



Mouse PTX3, His Tag on SDS-PAGE under reducing (R) condition. The gel was stained with Coomassie Blue. The purity of the protein is greater than 90%.

Bioactivity-ELISA



Immobilized Anti-PTX3 Antibody at 1 µg/mL (100 µL/well) can bind Mouse PTX3, His Tag (Cat. No. PT3-M52H6) with a linear range of 0.008-0.5 µg/mL (Routinely tested).

Background

PTX3 is a prototypic long pentraxin consisting of a C-terminal 203-amino acid pentraxin-like domain coupled with an N-terminal 178-amino acid unrelated portion. Plays a role in the regulation of innate resistance to pathogens, inflammatory reactions, possibly clearance of self-components and female fertility. PTX3 can binds to C1q, but not C1s.

Clinical and Translational Updates

Please contact us via TechSupport@acrobiosystems.com if you have any question on this product.