

Active Recombinant Mouse Ptx3 Protein, His-tagged

Cat. No. Ptx3-01M **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant Mouse Ptx3 Protein Glu18-Ser381, with a C-terminal 6-His tag was expressed in Mouse myeloma cell line.
Species	Mouse
Source	NS0
ProteinLength	18-381 a.a.
Description	Enables (1->3)-beta-D-glucan binding activity. Acts upstream of or within several processes, including opsonization; ovarian cumulus expansion; and positive regulation of nitric oxide biosynthetic process. Located in extracellular matrix. Is expressed in cochlea; cochlea epithelium; inner ear vestibular component; organ of Corti; and stria vascularis. Human ortholog(s) of this gene implicated in cystic fibrosis and invasive aspergillosis. Orthologous to human PTX3 (pentraxin 3).
Form	Multimer consisting of as many as ten non-covalently and covalently linked subunits.
Bio-activity	Measured by its binding ability in a functional ELISA. Immobilized rhC1q at 5 µg/mL (100 µL/well) can bind rmPentraxin 3 with a linear range of 0.25-15 µg/mL.
Molecular Mass	Predicted Molecular Mass: 41 kDa (monomer) SDS-PAGE: 46 kDa, reducing conditions
N-terminal Sequence	Glu18

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Analysis	
Endotoxin	<1.0 EU/μg of the protein by the LAL method.
Purity	>90%, by SDS-PAGE under reducing conditions and visualized by silver stain
Storage	Use a manual defrost freezer and avoid repeated freeze-thaw cycles. 12 months from date of receipt, -20 to -70 centigrade as supplied. 1 month, 2 to 8 centigrade under sterile conditions after reconstitution. 3 months, -20 to -70 centigrade under sterile conditions after reconstitution.
Storage Buffer	Lyophilized from a 0.2 μm filtered solution in MOPS, NaCl and CaCl ₂ with BSA as a carrier protein.
Reconstitution	Reconstitute at 100 μg/mL in sterile PBS containing at least 0.1% human or bovine serum albumin.
Shipping	The product is shipped at ambient temperature.

GENE INFORMATION

Gene Name	Ptx3 pentraxin related gene [<i>Mus musculus</i> (house mouse)]
Official Symbol	Ptx3
Synonyms	Ptx3; pentraxin related gene; TSG-14; pentraxin-related protein PTX3; pentaxin related; pentaxin-related protein PTX3; pentraxin 3; tumor necrosis factor-inducible gene 14 protein
Gene ID	19288

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mRNA Refseq	NM_008987
Protein Refseq	NP_033013
UniProt ID	P48759

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