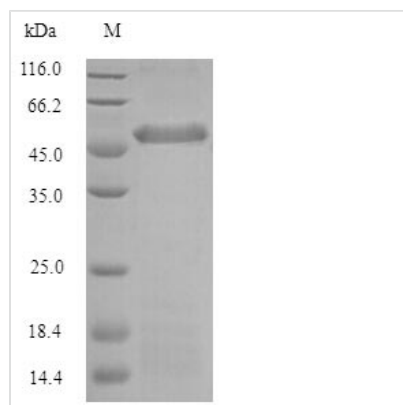




# Recombinant Bovine Pentraxin-related protein PTX3 (PTX3)

<b>Product Code</b>	CSB-MP610820BO
<b>Relevance</b>	Plays a role in the regulation of innate resistance to pathogens, inflammatory reactions, possibly clearance of self-components and female fertility.
<b>Abbreviation</b>	Recombinant Bovine PTX3 protein
<b>Storage</b>	The shelf life is related to many factors, storage state, buffer ingredients, storage temperature and the stability of the protein itself. Generally, the shelf life of liquid form is 6 months at -20°C/-80°C. The shelf life of lyophilized form is 12 months at -20°C/-80°C.
<b>Uniprot No.</b>	Q0VCG9
<b>Alias</b>	Pentaxin-related protein PTX3
<b>Product Type</b>	Recombinant Protein
<b>Immunogen Species</b>	Bos taurus (Bovine)
<b>Purity</b>	Greater than 90% as determined by SDS-PAGE.
<b>Sequence</b>	<p>ENSDDYELMYVNLIDNEIDNGLHPTEDPTPCDCSRENSWDKLFMTLENSQMR</p> <p>EGMLLQATDVMLRGELQKLQAELGRLEGSQKLCGPEAPSETRLARALDDLL</p> <p>QASRDAGRRLARLEDAGALRPQEEAGRALGAVLEELRRTRADLRAVQGWAA</p> <p>SRWLPAGCETAILFPMRSKKIFASVHPVTPMKLETFSACIWWKATEVLNKTVLF</p> <p>SYGTRKNPYEIQLYLSYRSIMLVVGGEENRLVADAVISLGTWTHLCSTWDSKK</p> <p>GHMALWVNGDSVATAVDMATGHVVPPEGGILQIGQEKNGCCVGGGFDETLAF</p> <p>SGRLTGFNIWEGVLSNEEIREAGGAESCHIRGNVVGWGVTEIQPHGGAQYVY</p>
<b>Research Area</b>	Others
<b>Source</b>	Mammalian cell
<b>Target Names</b>	PTX3
<b>Expression Region</b>	18-382aa
<b>Notes</b>	Repeated freezing and thawing is not recommended. Store working aliquots at 4°C for up to one week.
<b>Tag Info</b>	N-terminal Flag-Myc-tagged
<b>Mol. Weight</b>	44.7 kDa
<b>Protein Length</b>	Full Length of Mature Protein
<b>Image</b>	



(Tris-Glycine gel) Discontinuous SDS-PAGE (reduced) with 5% enrichment gel and 15% separation gel.

## Description

Recombinant Bovine PTX3 protein is a mammalian cell-expressed protein (Full Length of Mature Protein). Molecularly, this PTX3 protein is characterized by N-terminal Flag-Myc tag, and an internal Bovine PTX3 DNA fragment, 18-382aa. Its purity is 90%+ measured by SDS-PAGE. This recombinant production is the biotechnological process of generating a specific protein, and the host cell that we use are HEK293 cells. The Mammalian cell expression system can provide the most complete glycosylation, such as the complex N-type glycosylation and accurate O-glycosylation modifications, usually, the protein expressed by the mammalian cell system is closest to the conformation of the natural protein.

PTX3 is a protein coding gene that encodes Pentraxin-related protein PTX3. According to some research, PTX3 may have the following features. The long pentraxin Ptx3 is a secreted pattern recognition receptor with a non-redundant role in resistance to selected microbial agents. PTX3 is a useful new serological marker that rapidly reflects tissue inflammation and damage in different clinical conditions. PTX3 binds to P-selectin and attenuates neutrophil recruitment to sites of inflammation. The humoral pattern recognition receptor PTX3 is stored in neutrophil granules and localized in extracellular traps. PTX3 is an extrinsic tumor suppressor that regulates complement-dependent inflammation in cancer.

## Reconstitution

We recommend that this vial be briefly centrifuged prior to opening to bring the contents to the bottom. Please reconstitute protein in deionized sterile water to a concentration of 0.1-1.0 mg/mL. We recommend to add 5-50% of glycerol (final concentration) and aliquot for long-term storage at -20°C/-80°C. Our default final concentration of glycerol is 50%. Customers could use it as reference.

## Shelf Life

The shelf life is related to many factors, storage state, buffer ingredients, storage temperature and the stability of the protein itself. Generally, the shelf life of liquid form is 6 months at -20°C/-80°C. The shelf life of lyophilized form is 12 months at -20°C/-80°C.