

PTX3 Protein, Mouse, Recombinant (His)

General Information

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| Synonyms: | alpha-induced protein 5;pentraxin 3, long;pentaxin-related gene, rapidly induced by IL-1 β , tumor necrosis factor;Pentaxin-related protein PTX3;pentaxin-related gene, rapidly induced by IL-1 beta, tumor necrosis factor;pentraxin-related gene, rapidly induced by IL-1 beta; Pentraxin 3;pentraxin-3;pentraxin-related gene, rapidly induced by IL-1 β ;pentraxin-related protei; α -induced protein 5 |
| Protein Construction: | Glu18-Ser381 |
| Species: | Mouse |
| Expression Host: | HEK293 Cells |
| Accession: | P48759 |
| Molecular Weight: | 54 KDa (reducing condition) |
| AA Sequence: | Glu18-Ser381 |

QC Testing

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| Biological Activity: | Activity has not been tested. It is theoretically active, but we cannot guarantee it. If you require protein activity, we recommend choosing the eukaryotic expression version first. |
| Purity: | Greater than 90% as determined by reducing SDS-PAGE. (QC verified) |
| Endotoxin: | < 1.0 EU/ μ g of the protein as determined by the LAL method. |
| Formulation: | Supplied as a 0.2 μ m filtered solution of PBS, pH 7.4. |

Preparation and Storage

Stability & Storage:

Lyophilized powders can be stably stored for over 12 months, while liquid products can be stored for 6-12 months at -80°C. For reconstituted protein solutions, the solution can be stored at -20°C to -80°C for at least 3 months. Please avoid multiple freeze-thaw cycles and store products in aliquots.

Actual storage temperature shall be subject to the COA.

Shipping:

Proteins are shipped with blue ice.

Protein Background

Pentraxin-related protein PTX3, also known as Tumor necrosis factor-inducible gene 14 protein (TSG-14), belongs to the pentraxin family. PTX3 plays a role in the regulation of innate resistance to pathogens, inflammatory reactions, possibly clearance of self-components and female fertility. It's subunit is a disulfide-linked homooctamer that binds to C1q. PTX3 concentration is elevated in the joint fluid of patients with rheumatoid arthritis (RA), indicating that PTX3 may be a potential mediator of immune response. PTX3 may also function in the regulation of the uptake and clearance of apoptotic cells by dendritic cells. An in vivo study showed that PTX3

transgenic mice are more resistant to sepsis and endotoxemia compared to wild-type during inflammatory injury.

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