

Recombinant Mouse Pentraxin-related protein PTX3(N-6His)

Catalog No. PKSM041439

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

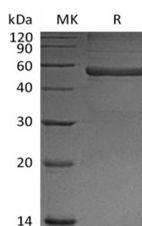
Description

Synonyms	alpha-induced protein 5;pentaxin-related gene;rapidly induced by IL-1 beta;tumor necrosis factor;Pentaxin-related protein PTX3;Pentraxin 3;pentraxin 3;long;pentraxin-3;pentraxin-related gene;rapidly induced by IL-1 beta;pentraxin-related protein PTX3;PTX3;TNF alpha-induced protein 5;TNFAIP5;TSG14;TSG-14
Species	Mouse
Expression Host	HEK293 Cells
Sequence	His18-Ser381
Accession	P48759
Calculated Molecular Weight	41.0 kDa
Observed molecular weight	54 kDa
Tag	N-His

Properties

Purity	> 90 % as determined by reducing SDS-PAGE.
Endotoxin	< 1.0 EU per µg of the protein as determined by the LAL method.
Storage	Store at < -20°C, stable for 6 months. Please minimize freeze-thaw cycles.
Shipping	This product is provided as liquid. It is shipped at frozen temperature with blue ice/gel packs. Upon receipt, store it immediately at < -20°C.
Formulation	Supplied as a 0.2 µm filtered solution of PBS, pH7.4.
Reconstitution	Not Applicable

Data



> 90 % as determined by reducing SDS-PAGE.

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

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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.