

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

Catalog Number: PKSM041439

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

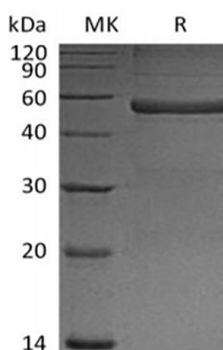
Description

Species	Mouse
Source	HEK293 Cells-derived Mouse Pentraxin-related PTX3 protein His 18-Ser381, with an N-terminal His
Calculated MW	41.0 kDa
Observed MW	54 kDa
Accession	P48759
Bio-activity	Not validated for activity

Properties

Purity	> 90 % as determined by reducing SDS-PAGE.
Concentration	Subject to label value.
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.

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. Its 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.