

PTX3 Protein, Mouse (HEK293, His)

Cat. No.:	HY-P71246
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;
Species:	Mouse
Source:	HEK293
Accession:	P48759 (E18-S381)
Gene ID:	19288
Molecular Weight:	Approximately 54.0 kDa

PROPERTIES

AA Sequence	<p> ETSDDDYELMY VNL DNEIDNG LHPTEDPTPC DCRQEHSEWD KLFIMLENSQ MREGMLLQAT DDVLRGELQR LRAELGRLAG GMARPCAAGG PADARLVRALEPLLQESRDA SLRLARLEDA EARRPEATVP GLGAVLEELR RTRADLSAVQ SWVARHWLPA GCETAIFFPM RSKKIFGSVH PVRPMKLESF STCIWVKATD VLNKTILFSY GTKWNPYEIQ LYLSSQSLVL VVGK KENKLA ADTVVSLGRW SHLCGTWSSE QGSMSLWANG ELVATTVEMA KSHSVPEGGL LQIGQEKNGC CVGGGFDES LAFSGRITGFN IWDRLSEEE IRASGGVESC HIRGNVVGWG VTEIQAHGGA QYVS </p>
Appearance	Solution.
Formulation	Supplied as a 0.2 µm filtered solution of PBS, pH 7.4.
Endotoxin Level	<1 EU/µg, determined by LAL method.
Reconstitution	N/A
Storage & Stability	Stored at -80°C for 1 year. It is stable at -20°C for 3 months after opening. It is recommended to freeze aliquots at -80°C for extended storage. Avoid repeated freeze-thaw cycles.
Shipping	Shipping with dry ice.

DESCRIPTION

Background	PTX3 Protein plays a pivotal role in orchestrating innate resistance to pathogens, regulating inflammatory reactions, and potentially contributing to the clearance of self-components, alongside its involvement in female fertility. Existing as a homooctamer with disulfide-linked structures, PTX3 exhibits a multifaceted nature essential for maintaining immune
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homeostasis. Notably, its interaction with C1q underscores its significance in the intricate network of innate immune responses, highlighting PTX3 as a key player in the defense against pathogens and the modulation of inflammatory processes.

Caution: Product has not been fully validated for medical applications. For research use only.

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