

Recombinant Human Pentraxin 3, His-tagged

Cat. No. PTX3-132H **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant human Pentraxin 3 protein, fused to His-tag at N-terminus, was expressed in E.coli and purified by using conventional chromatography, 44.4 kDa (401aa)
Species	Human
Source	E.coli
ProteinLength	18-381 a.a.
Description	Pentraxin 3(PTX3) is the prototypic member of the long pentraxin family sharing the C-terminal domain with short pentraxins and containing a unique N-terminal domain. Pentraxin 3 is produced and released at inflammatory sites by diverse cell types including monocytes/macrophages, endothelial cells, vascular smooth muscle cells, fibroblasts, and adipocytes. It plays a role in the regulation of innate resistance to pathogens, inflammatory reactions, possibly clearance of self-components and female fertility.
Sequences of amino acids	MRGSHHHHHH GMASMTGGQQ MGRDLYDDDD KDRWGSMENS DDYDLMYVNL DNEIDNGLHP TEDPTPCDCG QEHSEWDKLF IMLENSQMRE RMLLQATDDV LRGELQRLRE ELGRLAESLA RPCAPGAPAE ARLTSALDEL LQATRDAGR LARMEGAEAAQ RPEEAGRALA AVLEELRQTR ADLHAVQGWA ARSWLPAGCE TAILFPMRSK KIFGSVHPVR PMRLESFSAC IWKATDVLN KTILFSYGTK RNPYEIQLYL SYQSIVFVVG GEENKLVAEA MVSLGRWTHL CGTWNSEEG

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TSLWVNGELA ATTVEMATGH IVPEGGILQI GQEKNGCCVG GGFDETLAFS
GRLTGFNIWD SVLSNEEIRE TGGAESCHIR GNIVGWGVTE IQPHGGAQYV S

Purity > 90% by SDS - PAGE

Form Liquid. In 20 mM Tris-HCl buffer (pH 8.0) containing 1 mM DTT 10% glycerol.

Storage Can be stored at +4°C short term (1-2 weeks). For long term storage, aliquot and store at -20°C or -70°C. Avoid repeated freezing and thawing cycles.

GENE INFORMATION

Gene Name [PTX3 pentraxin-related gene, rapidly induced by IL-1 beta \[Homo sapiens \]](#)

Synonyms PTX3; TSG-14; TNFAIP5; PTX3; pentraxin-related gene, rapidly induced by IL-1 beta; pentraxin 3; pentraxin-3; pentaxin-related protein PTX3; tumor necrosis factor, alpha-induced protein 5; tumor necrosis factor-inducible protein TSG-14; pentaxin-related gene, rapidly induced by IL-1 beta, tumor necrosis factor, alpha-induced protein 5; Tumor necrosis factor-inducible gene 14 protein; tumor necrosis factor-inducible protein TSG-14

Gene ID [5806](#)

mRNA Refseq [NM_002852](#)

Protein Refseq [NP_002843](#)

MIM [602492](#)

UniProt ID [P26022](#)

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Chromosome Location	3q25
Function	zymosan binding