

# Pentraxin 3, human recombinant

**CATALOG #:** 7307-100 100 µg

**ALTERNATE NAMES:** TNFAIP5, TSG-14, PTX3

**SOURCE:** E. coli

**PURITY:** > 90% by SDS-PAGE

**MOL. WEIGHT:** 44.4 kDa (401 aa, 18-381 aa + His Tag), confirmed by MALDI-TOF.

**ENDOTOXIN LEVEL:** < 1.0 EU per 1 µg of protein

**FORM:** Liquid

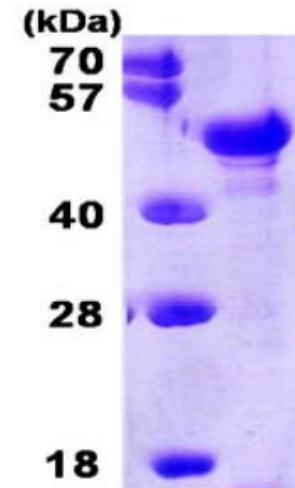
**FORMULATION:** 1 mg/ml in 20 mM Tris-HCl buffer (pH 8.0) containing 10% glycerol, and 1 mM DTT.

**STORAGE CONDITIONS:** 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.

**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. Recombinant human Pentraxin 3 protein, fused to His-tag at N-terminus, was expressed in E.coli and purified by using conventional chromatography.

**AMINO ACID SEQUENCE:**

MRGSHHHHHH	GMASMTGGQQ	MGRDLYDDDD
KDRWGSMENTS	DDYDLMYVNL	DNEIDNGLHP
TEDPTPCDCG	QEHSEWDKLF	
IMLENSQMRE	RMLLQATDDV	LRGELQRLRE
ELGRLAESLA	RPCAPGAPAE	
ARLTSALDEL	LQATRDAGR	LARMEGAEAQ
RPEEAGRALA	AVLEELRQTR	
ADLHAVQGWA	ARSWLPAGCE	TAILFPMRSK
KIFGSVHPVR	PMRLESFSAC	
IWKATDVLN	KTILFSYGTK	RNPYEIQLYL
SYQSIVFVVG	GEENKLVAEA	
MVSLGRWTHL	CGTWNSEEG	TSLWVNGELA
ATTVEMATGH	IVPEGGILQI	
GQEKNGCCVG	GGFDETLA	GRLTGFNIWD
SVLSNEEIRE	TGGAESCHIR	
GNIVGWGVTE	IQPHGGAQYV	S



15% SDS-PAGE (3µg)

Pentraxin, human recombinant

**RELATED PRODUCTS:**

- IFN-λ2, human recombinant (Cat # 7163-10, -50)
- Human Cell<sup>exp</sup> Human Recombinant IFN-alpha 2b (Cat # 6459-10, -50)
- IFN-alpha 2a, human recombinant (Cat # 4594-20, -100, -1000)
- IFN-alpha 2b, human recombinant (Cat # 4595-20, -100, -1000)
- IFN-alpha 1, human recombinant (Cat # 4596-10, -100, -1000)
- IFN-beta 1b, human recombinant (Cat # 4860-10, -50, -1000)
- IFN-gamma, human recombinant (Cat # 4116-20, -100, -1000)
- IFN-gamma, murine recombinant (Cat # 4117-20, -100, -1000)
- IFN-gamma, rat recombinant (Cat # 4118-50, -100, -1000)
- IFN-gamma Antibody (Cat # 5116-200)
- IFN-gamma Antibody (Cat # 5117-100)
- IFN-alpha Antibody (Cat # 5596-100)
- IFN-alpha Antibody (Cat # 5595R-100)
- IFN-alpha 2b Antibody (Cat # 5595-100)

**FOR RESEARCH USE ONLY! Not to be used in humans.**

