

Product information



Pentraxin 3, 18-381 aa

Human, His-tagged, Recombinant, *E.coli*

Cat. No. IBATGP0312

Synonyms: TNFAIP5, TSG-14.

NCBI Accession No.: NP_002843

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.

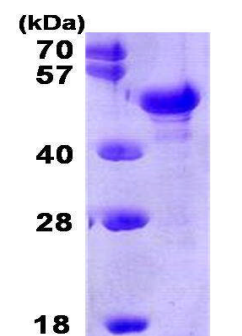
Form: Liquid. In 20 mM Tris-HCl buffer (pH 8.0) containing 1 mM DTT

10% glycerol.

Molecular Weight: 44.4 kDa (401aa)

Purity: > 90% by SDS - PAGE

Concentration: 1 mg/ml (determined by Bradford assay)



15% SDS-PAGE (3ug)

Sequences of amino acids:

MRGSHHHHHH GMASMTGGQQ MGRDLYDDDD KDRWGSMENS DDYDLMYVNL DNEIDNGLHP TEDPTPCDCG QEHWSEWDLF IMLENSQMRE
RMLLQATDDV LRGLQRLRE ELGRLAESLA RPCAPGAPAE ARLTSALDEL LQATRDAGR R LARMEGAEAQ RPEEAGRALA AVLEELRQTR
ADLHAVQGWA ARSWLPAGE TAILFPMRSK KIFGSVHPVR PMRLESFSAC IWKATDVLN KTILFSYGTK RNPYEIQLYL SYQSIVFVVG
GEENKLVAEA MVSLGRWTHL CGTWNSEEGT TSLWVNGELA ATTVMATGH IVPEGGILQI GQEKNGCCVG GGFDETLAFS GRLTGFNIWD
SVLSNEEIRE TGGAESCHIR GNIVGWGVT IQPHGGAQYV S

General references:

Imamura M., *et al.* (2007). *Cell Immunol.* **248**(2):86-94.

Allens VV., *et al.* (1994). *Blood.* **84**(10):3483-93.

WARNING: THIS PRODUCT IS NOT INTENDED OR APPROVED FOR HUMAN, DIAGNOSTICS OR VETERINARY USE. USE OF THIS PRODUCT FOR HUMAN OR ANIMAL TESTING IS EXTREMELY HAZARDOUS AND MAY RESULT IN DISEASE, SEVERE INJURY, OR DEATH.

Product information



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.

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