

Product datasheet for **SC321918**

Pentraxin 3 (PTX3) (NM_002852) Human Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Pentraxin 3 (PTX3) (NM_002852) Human Untagged Clone
Tag:	Tag Free
Symbol:	Pentraxin 3
Synonyms:	TNFAIP5; TSG-14
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-AC (PS100020)
E. coli Selection:	Ampicillin (100 ug/mL)



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Fully Sequenced ORF: >OriGene sequence for NM_002852.2
 CATTATTAAGGACTCTCTGCTCCAGCCTCTCACTCTCACTCTCCTCCGCTCAAACCTCAG
 CTCACCTTGAGAGTCTCCTCCCGCAGCTGTGAAAGAAGCTTTGCGTCTCTCCAGCAATGC
 ATCTCCTTGCGATTCTGTTTTGTCTCTCTGGTCTGCAGTGTGGCCGAGAACTCGGATG
 ATTATGATCTCATGTATGTGAATTTGGACAACGAAATAGACAATGGACTCCATCCCCTG
 AGGACCCACGCCGTGCCACTGCGGTGAGGAGCACTCGGAATGGGACAAGCTCTTCATCA
 TGCTGGAGAAGCTCGCAGATGAGAGAGCGCATGCTGCTGCAAGCCACGGACGACGCTCTGC
 GGGCGAGCTGCAGAGGCTGCGGGAGGAGCTGGGCCGGCTCGCGGAAAGCCTGGCGAGGC
 CGTGCGCGCCGGGGCTCCCGCAGAGGCCAGGCTGACCAGTGTCTGGACGAGCTGCTGC
 AGGCGACCCGCGACGCGGGCCGAGGCTGGCGCGTATGGAGGGCGGGAGGCGCAGCGCC
 CAGAGGAGGCGGGGCGGCCCTGGCCGCGGTGCTAGAGGAGTGCAGCAGCGAGCGCG
 ACCTGCACGCGGTGCAGGGCTGGGCTGCCCGAGCTGGCTGCCGCGAGTTGTGAAACAG
 CTATTTTATCCCAATGCGTTCCAAGAAGATTTTGAAGCGTGCATCCAGTGAGACCAA
 TGAGGCTTGAGTCTTTAGTGCCTGCATTTGGGTCAAAGCCACAGATGTATTAACAAAA
 CCATCCTGTTTTCTATGGCACAAGAGGAATCCATATGAAATCCAGCTGTATCTCAGCT
 ACCAATCCATAGTGTGTGGTGGTGGAGAGGAGAACAAGCTGGTTGCTGAAGCCATGG
 TTTCCCTGGGAAGGTGGACCCACCTGTGCGGCACCTGGAATTCAGAGGAAGGGCTCACAT
 CCTTGTGGGTAATGGTGAAGTGGCGGCTACCACTGTTGAGATGGCCACAGGTCACATTG
 TTCCTGAGGGAGGAATCTGCAGATTGGCCAAGAAAAGAAATGGTGTGTGTGGGTGGTG
 GCTTTGATGAAACATTAGCCTTCTCTGGGAGACTCACAGGCTTCAATATCTGGGATAGTG
 TTCTTAGCAATGAAGAGATAAGAGAGACCGGAGGAGCAGAGTCTTGTACATCCGGGGGA
 ATATTGTTGGGTGGGAGTACAGAGATCCAGCCACATGGAGGAGCTCAGTATGTTTCAT
 AAATGTTGTGAACTCCACTTGAAGCCAAGAAAAGAAACTCACACTTAAACACATGCCA
 GTTGGGAAGTCTGAAAAGCTCAGTGCATAATAGGAACACTTGAGACTAATGAAAGAGAGA
 GTTGAGACCAATCTTTATTTGACTGGCCAAACTGAATAAACAGTTGAAGAAAAGACA
 TTGAAAAAGCTTTTGGAGATAATGTTACTAGACTTTATGCCATGGTGTCTTCAGTTTAA
 TGCTGTGTCTCTGCAGATAAACTCTCAAATAATTAAGGAGGACTGTATTGTTGAACAGA
 GGGACAATTGTTTACTTTTCTTTGGTTAATTTTGTGGCCAGAGATGAATTTTACAT
 TGAAGAATAACAAAATAAGATTTGTTGTCCATTGTTTATTGTTATGTACCTTA
 TTACAAAAAATGATGAAAACATATTTATACTACAAGGTGACTTAACAATAAATGT
 AGTTTATGTGTTAATCGAATGTCACGTTTTTGAAGAATAGTCATATAAGTTATATTG
 CAAAAGGATTTGTATTAATTTAAGACTATTTTGTAAAGCTCTACTGTAATAAATAAT
 TTTATAAACTAAA

Restriction Sites: Please inquire

ACCN: NM_002852

OTI Disclaimer: Our molecular clone sequence data has been matched to the reference identifier above as a point of reference. Note that the complete sequence of our molecular clones may differ from the sequence published for this corresponding reference, e.g., by representing an alternative RNA splicing form or single nucleotide polymorphism (SNP).

OTI Annotation: This TrueClone is provided through our Custom Cloning Process that includes sub-cloning into OriGene's pCMV6 vector and full sequencing to provide a non-variant match to the expected reference without frameshifts, and is delivered as lyophilized plasmid DNA.

Components: The ORF clone is ion-exchange column purified and shipped in a 2D barcoded Matrix tube containing 10ug of transfection-ready, dried plasmid DNA (reconstitute with 100 ul of water).

Reconstitution Method:

1. Centrifuge at 5,000xg for 5min.
2. Carefully open the tube and add 100ul of sterile water to dissolve the DNA.
3. Close the tube and incubate for 10 minutes at room temperature.
4. Briefly vortex the tube and then do a quick spin (less than 5000xg) to concentrate the liquid at the bottom.
5. Store the suspended plasmid at -20°C. The DNA is stable for at least one year from date of shipping when stored at -20°C.

RefSeq: [NM_002852.2](#), [NP_002843.1](#)

RefSeq Size: 1908 bp

RefSeq ORF: 1146 bp

Locus ID: 5806

UniProt ID: [P26022](#)

Cytogenetics: 3q25.32

Domains: PTX, LamGL

Protein Families: Secreted Protein

Gene Summary: This gene encodes a member of the pentraxin protein family. The expression of this protein is induced by inflammatory cytokines in response to inflammatory stimuli in several mesenchymal and epithelial cell types, particularly endothelial cells and mononuclear phagocytes. The protein promotes fibrocyte differentiation and is involved in regulating inflammation and complement activation. It also plays a role in angiogenesis and tissue remodeling. The protein serves as a biomarker for several inflammatory conditions. [provided by RefSeq, Jun 2016]