

Pentraxin-3 Recombinant Protein | PTX3 recombinant protein

Recombinant Human Pentraxin-3

CATALOG #
AAA38687

PRODUCT SYNONYMS

Pentraxin-3; Recombinant Human Pentraxin-3; TSG-14; TNFAIP5; PTX3; Pentraxin-related protein PTX3; Pentaxin-related protein PTX3; Tumor necrosis factor-inducible gene 14 protein; TSG14; pentraxin-related gene rapidly induced by IL-1 beta; PTX3 recombinant protein

PRODUCT SPECIFICATIONS

Purity/Purification	Greater than 90% as determined by Analysis by SDS-PAGE.
Form/Format	The PTX3 protein (1mg/ml) contains 20mM Tris-HCl buffer pH 8.0, 1mM DTT and 10% glycerol
Sequence	MRGSHHHHHH GMASMTGGQQ MGRDLYDDDD KDRWGSMENS DDYDLMYVNL DNEIDNGLHP TEDPTPCDCG QEHSEWDKLF IMLNSQMRE RMLLQATDDV LRGLQRLRE ELGRLAESLA RPCAPGAPAE ARLTSALDEL LQATRDAGRRLARMEGAEAQ RPEEAGRALA AVLEELRQTR ADLHAVQGWA ARSWLPAGCE TAILFPMRSK KIFGSVHPVR PMRLESFSAC IWVKATDVLN KTILFSYGTK RNPYEIQLYL SYQSIVFVVG GEENKLVAEA MVSLGRWTHL CGTWNSEEGT TSLWVNGELA ATTVEMATGH IVPEGGILQI GQEKNGCCVG GGFDETLAFS GRLTGFNIWD SVLSNEEIRE TGAESCHIR GNIVGWGVTE IQPHGGAQYV S
Sequence Length	381
Source	E.coli
Physical Appearance	Sterile filtered colorless solution
Preparation and Storage	Store at 4 degree C if entire vial will be used within 2-4 weeks. Store, frozen at -20 degree C for longer periods of time. For long term storage it is recommended to add a carrier protein (0.1% HSA or BSA). Avoid multiple freeze-thaw cycles.

ADDITIONAL INFORMATION

Related Product Information for PTX3 recombinant protein	Description: Recombinant Human PTX3 produced in E Coli is a single, non-glycosylated polypeptide chain containing 401 amino acids (18-381 a.a) and having a molecular mass of 44.4 kDa. PTX3 is fused to a 36 amino acid His Tag at N-terminus and purified by proprietary chromatographic techniques. Introduction: PTX3 is part of the pentraxin family sharing the C-terminal domain with short pentraxins and containing a unique N-terminal domain. PTX3 is produced and released at inflammatory sites by various cell types including monocytes/macrophages, endothelial cells, vascular smooth muscle cells, fibroblasts, and adipocytes. PTX3 is involved in the regulation of innate resistance to pathogens, inflammatory reactions, possibly clearance of self-components and female fertility. PTX3 is used as a marker for disease activity of psoriasis. High serum PTX3 levels are associated with the disease severity of systemic sclerosis. Elevated serum PTX3 is associated with pulmonary fungal infections.
Product Categories/Family for PTX3 recombinant protein	Recombinant & Natural Proteins; Recombinant Proteins

NCBI AND UNIPROT INFORMATION

NCBI GI #	167900484
NCBI GeneID	5806
NCBI Accession #	NP_002843.2

NCBI GenBank Nucleotide #	NM_002852.3
UniProt Accession #	P26022 ; Q38M82 ; B2R6T6
Molecular Weight	41,976 Da
NCBI Official Full Name	pentraxin-related protein PTX3
NCBI Official Synonym Full Names	pentraxin 3, long
NCBI Official Symbol	PTX3
NCBI Official Synonym Symbols	TSG-14; TNFAIP5
NCBI Protein Information	pentraxin-related protein PTX3; TNF alpha-induced protein 5; pentaxin-related gene, rapidly induced by IL-1 beta, tumor necrosis factor, alpha-induced protein 5; pentaxin-related protein PTX3; pentraxin-3; pentraxin-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
UniProt Protein Name	Pentraxin-related protein PTX3
UniProt Gene Name	PTX3
UniProt Synonym Gene Names	TNFAIP5; TSG14; TNF alpha-induced protein 5; TSG-14
UniProt Entry Name	PTX3_HUMAN

For Research Use Only. Not for use in diagnostic or therapeutic procedures. Small volumes of product may become entrapped in the seal of the vial during shipment and storage; if necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the cap.

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Online datasheet: <https://stage.aaabiotech.com/ptx3-recombinant-protein/38687>