9051 Mira Mesa Blvd, #910094
San Diego, CA 92191
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PTX3 Human

Pentraxin-3 Human Recombinant
RCP1740

Product Overview

Name	PTX3 Human
Description	
Pentraxin-3 Human Recombinant	
Accession (Primary)	P26022
Synonyms	
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.	
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.	
Source	
Escherichia Coli.	
Physical Appearance	
Sterile filtered colorless solution.	
Formulation	
The PTX3 protein contains 20mM Tris-HCl buffer pH-8, 1mM DTT and 10% glycerol.	
Stability	
Store at 4°C if entire vial will be used within 2-4 weeks. Store, frozen at -20°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.	
Purity	
Greater than 90% as determined by Analysis by SDS-PAGE.	
Amino acid sequence	
MRGSHHHHHH GMASMTGGQQ MGRDLYDDDD KDRWGSM ENS DDYDLMYVNL DNEIDNGLHP TEDPTPCDCG	

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QEHSEWDKLF IMLENSQMRE RMLLQATDDV LRGELQRLRE ELGRLAESLA RPCAPGAPAE ARLTSALDEL LQATRDAGRR LARMEGAEAQ RPEEAGRALA AVLEELRQTR ADLHAVQGWA ARSWLPAGCE TAILFPMRSK KIFGSVHPVR PMRLESFSAC IWVKATDVLN KTILFSYGTK RNPYEIQLYL SYQSIVFVVG GEENKLVAEA MVSLGRWTHL CGTWNSEEGL TSLWVNGELA ATTVEMATGH IVPEGGILQI GQEKNGCCVG GGFDETLAFS GRLTGFNIWD SVLSNEEIRE TGGAESCHIR GNIVGWGVTE IQPHGGAQYV S.

Precautions

PTX3 Human is for research use only and not for use in diagnostic or therapeutic procedures.

Target Information: (P26022)