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PTX3 Human, HEK

Pentraxin-3 Human Recombinant, HEK
RCP1741

Product Overview

Name	PTX3 Human, HEK

Description

Pentraxin-3 Human Recombinant, HEK

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

HEK 293.

Physical Appearance

Filtered White lyophilized (freeze-dried) powder.

Formulation

PTX3 was filtered (0.4 µm) and lyophilized from 0.5mg/ml solution in phosphate buffered saline.

Stability

Store lyophilized protein at -20°C. Aliquot the product after reconstitution to avoid repeated freezing/thawing cycles. Reconstituted protein can be stored at 4°C for a limited period of time; it does not show any change after two weeks at 4°C.

Purity

Greater than 95.0% as determined by SDS-PAGE.

Amino acid sequence

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ENSDDYDLMY VNLDNEIDNG LHPTEDPTPC DCGQEHSEWD KLFIMLENSQ MRERMLLQAT DDVLRGELQR LREELGRLAE SLARPCAPGA PAEARLTSAL DELLQATRDA GRRLARMEGA EAQRPEEAGR ALAAVLEELR QTRADLHAVQ GWAARSWLPA GCETAILFPM RSKKIFGSVH PVRPMRLESF SACIWVKATD VLNKTILFSY GTKRNPYEIQ LYLSYQSIVF VVGGEENKLV AEAMVSLGRW THLCGTWNSE EGLTSLWVNG ELAATTVEMA TGHIVPEGGI LQIGQEKNGC CVGGGFDETL AFSGRLTGFN IWDSVLSNEE IRETGGAESC HIRGNIVGWG VTEIQPHGGA QYVS HHHHHH .

Solubility

It is recommended to add deionized water to prepare a working stock solution of approximately 0.5 mg/ml and let the lyophilized pellet dissolve completely. PTX3 is not sterile! Please filter the product by an appropriate sterile filter before using it in the cell culture.

Precautions

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

Target Information: (P26022)