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32-4542: Recombinant Human Pentraxin-3, HEK

Alternative Name : 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.

Description

Source : HEK 293. Pentraxin-3 Human Recombinant produced in HEK cells is a single, glycosylated, polypeptide chain (Glu18-Ser381) containing a total of 370 amino acids, having a calculated molecular mass of 41kDa and fused to a 6 aa His tag at C-Terminus. 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 Info

Amount :	10 µg
Purification :	Greater than 95.0% as determined by SDS-PAGE.
Content :	PTX3 was filtered (0.4µm) and lyophilized from 0.5mg/ml solution in phosphate buffered saline.
Storage condition :	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.
Amino Acid :	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 QYVSHHHHHH.

Application Note

It is recommended to add 200µl 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.

For Research Use Only. Not for use in diagnostic/therapeutics procedures.