Recombinant human Pentraxin 3/PTX3 protein

Catalog Number: ATGP0312

PRODUCT INFORMATION

Expression system
E.coli

Domain
18-381aa

UniProt No.
P26022

NCBI Accession No.
NP_002843.1

Alternative Names
TNFAIP5, TSG-14, Pentraxin 3, AI607804, Pentaxin 3, Pentaxin-related protein PTX3, Pentraxin-related gene, rapidly induced by IL-1 beta, Pentraxin-related gene, PTX3, TSG14, Tumor necrosis factor-inducible gene 14 protein, Tumor necrosis factor-inducible protein TSG-14

PRODUCT SPECIFICATION

Molecular Weight
44.4 kDa (401aa) confirmed by MALDI-TOF

Concentration
1mg/ml (determined by Bradford assay)

Formulation
Liquid in. 20mM Tris-HCl buffer (pH 8.0) containing 1mM DTT, 10% glycerol

Purity
> 85% by SDS-PAGE

Tag
His-Tag

Application
SDS-PAGE

Storage Condition
Can be stored at +2C to +8C for 1 week. For long term storage, aliquot and store at -20C to -80C. Avoid repeated freezing and thawing cycles.

BACKGROUND

Description
Pentraxin 3 (PTX3) is the prototypic member of the long pentraxin family sharing the C-terminal domain with short pentraxins and containing a unique N-terminal domain. Pentraxin 3 is produced and released at inflammatory sites by diverse cell types including monocytes/macrophages, endothelial cells, vascular smooth muscle cells, fibroblasts, and adipocytes. It plays a role in the regulation of innate resistance to pathogens,

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inflammatory reactions, possibly clearance of self-components and female fertility. Recombinant human Pentraxin 3 protein, fused to His-tag at N-terminus, was expressed in E. coli and purified by using conventional chromatography.

Amino acid Sequence

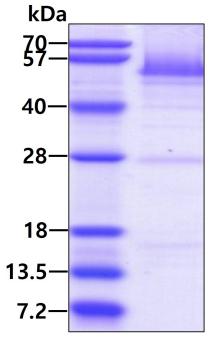
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General References

Imamura M., et al. (2007). Cell Immunol. 248(2):86-94.
Allens VV., et al. (1994). Blood. 84(10):3483-93.

DATA

SDS-PAGE



3ug by SDS-PAGE under reducing condition and visualized by coomassie blue stain.