

Recombinant mouse Pentraxin 2/PTX2 protein

Catalog Number: ATGP3858

PRODUCT INFORMATION

Expression system

HEK293

Domain

21-224aa

UniProt No.

P12246

NCBI Accession No.

NP_035448

Alternative Names

Serum amyloid P-component, SAP, Apcs, Sap

PRODUCT SPECIFICATION

Molecular Weight

24.6 kDa (210aa)

Concentration

0.25mg/ml (determined by absorbance at 280nm)

Formulation

Liquid in. Phosphate-Buffered Saline (pH 7.4) containing 20% glycerol

Purity

> 90% by SDS-PAGE

Endotoxin level

< 1 EU per 1ug of protein (determined by LAL method)

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

Pentraxin2, also known as serum amyloid P-component, is a secreted serum glycoprotein that belongs to the pentraxins family. This family binds calcium-dependent lectin-like manner and is characterized distinctive flattened Beta-jellyroll structure similar to the legume lectins. This protein is a non-fibrillar component, it can interact with DNA and histones. It regulates the solubility of amyloid fibrils and protects them from degradation

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by proteolytic enzymes and phagocytic cells. This protein is the major acute-phase protein and expression of it is dependent on complement activation, IL-6 and/or IL-1 beta. Recombinant mouse Pentraxin2 protein, fused to His-tag at C-terminus, was expressed in HEK293 and purified by using conventional chromatography techniques.

Amino acid Sequence

QTDLKRKVFV FPRESETDHV KLIPHLEKPL QNFTLCFRTY SDLSRSQSLF SYSVKGRDNE LLIYKEKVG EYSLYIGQSKV
TVRGMEEYLS PVHLCCTWES SSGIVEFWVN GKPWVKKSLQ REYTVKAPPS IVLGQEQDNY GGGFQRSQSF VGEFSDLYMW
DYVLTPODIL FVYRDSPVNP NILNWQALNY EINGYVVIRP RVWD<HHHHHH>

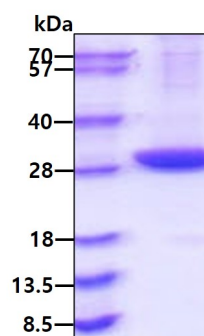
General References

Xi D., et al, (2015) Int J Cardiol. 187:20-26.

Muczynski V., et al, (2017) Blood. 101(9): 129(17):2443-2454.

DATA

SDS-PAGE



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