

Recombinant human Serpin B2/PAI-2 protein

Catalog Number: ATGP4078

PRODUCT INFORMATION

Expression system

E.coli

Domain

1-415aa

UniProt No.

P05120

NCBI Accession No.

NP_001137290

Alternative Names

Plasminogen activator inhibitor 2, HsT1201, PAI, PAI-2, PAI2, PLANH2

PRODUCT SPECIFICATION

Molecular Weight

49.0 kDa (438aa) confirmed by MALDI-TOF

Concentration

0.5mg/ml (determined by Bradford assay)

Formulation

Liquid in. Phosphate-Buffered Saline (pH 7.4) containing 30% glycerol, 1mM DTT

Purity

> 80% 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

SERPINB2 belongs to the serpin family. This protein inhibits urokinase-type plasminogen activator. The monocyte derived PAI-2 is distinct from the endothelial cell-derived PAI-1. Recombinant human SERPINB2 protein, fused to His-tag at N-terminus, was expressed in E. coli and purified by using conventional chromatography techniques.

Amino acid Sequence

<MGSSHHHHHH SGLVPRGSH MGS>MEDLCVA NTLFALNLFK HLAKASPTQN LFLSPWSISS TMAMVYMGRS
GSTEDQMAKV LQFNEVGANA VTPMTPENFT SCGFMQQIQK GSYPDAILQA QAADKIHSSF RSLSSAINAS TGNYLLESVN

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KLFGEKSASF REEYIRLCQK YYSSEPQAVD FLECAEEARK KINSWVKTQT KGKIPNLLPE GSVGDGTRMV LVNAVYFKGK
WKTPFEKKNL GLYPFRVNSA QRTPVQMMYL REKLNIGYIE DLKAQILELP YAGDVSMFLL LPDEIADVST GLELLESEIT
YDKLNKWTSK DKMAEDEVEV YIPQFKLEEH YELRSILRSM GMEDAFNKGR ANFSGMSERN DLFLSEVFHQ AMVDVNEEGT
EAAAGTGGVM TGRTGHGGPQ FVADHPFLFL IMHKITNCIL FFGRFSSP

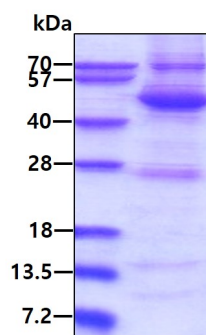
General References

Schleuning W.-D., et al, (1987) Mol. Cell. Biol. 7:4564-4567.

Ye R.D., et al, (1989) J. Biol. Chem. 264:5495-5502.

DATA

SDS-PAGE



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