

PRODUCT DATA SHEET

Pancreatitis-Associated Protein-1 Human E. coli

Cat. No.: RD172085100

Size: 0.1 mg

Source: E. coli

Type: Recombinant protein

Species: Human

Other Names:

PAP-1, Regenerating islet-derived protein 3 alpha, Reg III-alpha, Pancreatitis-associated protein 1, REG3A, HIP, PAP, PAP1, REG3, INGAP, PAP-H, PBCGF, REG-III

Description:

Total 165 AA. MW: 18.4 kDa (calculated). UniProtKB acc.no. Q06141. N-Terminal His-tag 16 AA.

Amino Acid Sequence:

MRGSHHHHHH GMASHMEEPQ RELPSARIRC PKGSKAYGSH CYALFLSPKS WTDADLACQK
RPSGNLVSVL SGAEGSFVSS LVKSIGNSYS YVWIGLHDPT QGTEPNGEGW EWSSSDVMNY
FAWERNPSTI SSPGHCASLS RSTAFLRWKD YNCNVRLPYV CKFTD

Purity:

> 90 % by SDS-PAGE

Endotoxin:

< 1.0 EU/μg

Formulation:

Filtered (0.4 μm) and lyophilized in 0.5 mg/mL in 0.05M Acetate buffer pH =4.0

Reconstitution:

Add 0.1M Acetate buffer pH4 to prepare a working stock solution of approximately 0.5 mg/mL and let the lyophilized pellet dissolve completely. For conversion into higher pH value, we recommend intensive dilution by relevant buffer to a concentration of 10μg/mL. In higher concentrations the solubility of this antigen is limited.

Shipping:

On ice. Upon receipt, store the product at the temperature recommended below.

Storage/Stability:

Store the lyophilized protein at -80 °C. Lyophilized protein remains stable until the expiry date when stored at -80 °C. Aliquot reconstituted protein to avoid repeated freezing/thawing cycles and store at -80 °C for long term storage. Reconstituted protein can be stored at 4 °C for three days.

Quality Control:

BCA to determine quantity of the protein.
SDS PAGE to determine purity of the protein.
Endotoxin level determination.

Applications:

Western blotting

Note:

This product is intended for research use only.