

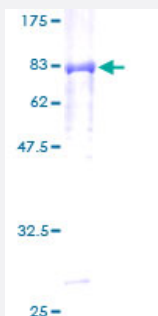
Full-Length

PEPD (Human) Recombinant Protein (P01)

Catalog # H00005184-P01

Size 25 ug, 10 ug

Applications



Specification

Product Description

Human PEPD full-length ORF (AAH15027, 1 a.a. - 493 a.a.) recombinant protein with GST-tag at N-terminal.

Sequence

MAAATGPSFWLGNETLKVPLALFALNRQRLCERLRKNPAVQAGSIVLQGGGEETQRYCTDTGVL
FRQESFFHWAFGVAEPGCYGVIDVDTGKSTLFVPRLPASHATWMGKIHSKEHFKEKYAVDDVQY
VDEIASVLTSQEPSVLLTLRGVNTDSGSVCREASFDGISKFEVNNTILHPEIVECRVFKTDMELEVL
RYTNKISSEAHREVMKAVKVGMMKEYELESLEHYCYSRGGMRHSSYTCICGSGENSAVLHYGHAG
APNDRTIQNGDMCLFDMGGEYYCFASDITCSFPANGKFTADQKAVYEAVLRSSRAVMGAMKPGV
WWPDMHRLADRIHLEELAHMGILSGSV DAMVQAHLGAVFMPHGLGHFLGIDVHDVGGYPEGVE
RIDEPLRLSLRTARHLQPGMVL TVEPGYFIDHLLDEALADPARASFLNREVLQRFRGFGGVRIEED
VVVTDSGIELLTCVPRTVEEIEACMAGCDKAFTPFSGPK

Host

Wheat Germ (in vitro)

Theoretical MW (kDa)

79.97

Preparation Method

[in vitro wheat germ expression system](#)

Purification

Glutathione Sepharose 4 Fast Flow

Quality Control Testing

12.5% SDS-PAGE Stained with Coomassie Blue.

Storage Buffer

50 mM Tris-HCl, 10 mM reduced Glutathione, pH=8.0 in the elution buffer.

Storage Instruction

Store at -80°C. Aliquot to avoid repeated freezing and thawing.

Note

Best use within three months from the date of receipt of this protein.

Applications

- Enzyme-linked Immunoabsorbent Assay
- Western Blot (Recombinant protein)
- Antibody Production
- Protein Array

Gene Info — PEPD

Entrez GeneID[5184](#)**GeneBank Accession#**[BC015027](#)**Protein Accession#**[AAH15027](#)**Gene Name**

PEPD

Gene Alias

MGC10905, PROLIDASE

Gene Description

peptidase D

Omim ID[170100](#)**Gene Ontology**[Hyperlink](#)**Gene Summary**

Xaa-Pro dipeptidase is a cytosolic dipeptidase that hydrolyzes dipeptides with proline or hydroxy proline at the carboxy terminus (but not Pro-Pro). It is important in collagen metabolism because of the high levels of iminoacids. [provided by RefSeq]

Other Designations

imidodipeptidase|proline dipeptidase

Disease

- [Diabetes Mellitus](#)

- [Genetic Predisposition to Disease](#)