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## Datasheet for ABIN7318881 PEPD Protein

### Overview

Quantity:	50 µg
Target:	PEPD
Origin:	Human
Source:	Escherichia coli (E. coli)
Protein Type:	Recombinant

### Product Details

Purpose:	Recombinant Human Peptidase D/PEPD Protein
Sequence:	Ala2-Lys493
Characteristics:	Recombinant Human Peptidase D is produced by our E.coli expression system and the target gene encoding Ala2-Lys493 is expressed.
Purity:	> 95 % as determined by reducing SDS-PAGE.
Endotoxin Level:	< 1.0 EU per µg as determined by the LAL method.

### Target Details

Target:	PEPD
Alternative Name:	Peptidase D/PEPD ( <a href="#">PEPD Products</a> )
Background:	Background: PEPD belongs to the peptidase M24B family of Eukaryotic-type prolidase subfamily. PEPD is a cytosolic dipeptidase that hydrolyzes dipeptides with proline or hydroxyproline at the carboxy terminus. It is important in collagen metabolism because of the high levels of imino acids. Defects in PEPD are a cause of prolidase deficiency which is an

## Target Details

autosomal recessive disorder associated with iminodipeptiduria.

Synonym: Xaa-Pro dipeptidase, Imidodipeptidase, PeptidaseD, Prolinedipeptidase, PRD, PEPD.

Molecular Weight: 54.5 kDa

UniProt: [P12955](#)

## Application Details

Restrictions: For Research Use only

## Handling

Format: Frozen, Liquid

Buffer: Supplied as a 0.2 µm filtered solution of 20 mM PB, 150 mM NaCl, pH 7.4.

Storage: -20 °C

Storage Comment: Store at < -20°C, stable for 6 months. Please minimize freeze-thaw cycles.