# Recombinant Human PEPD

## Catalog No: CG88

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| **Description** | Recombinant Human Peptidase D is produced by our E.coli expression system and the target gene encoding Ala2-Lys493 is expressed. |
| **Source** | E. coli |
| **Alternative name** | Xaa-Pro dipeptidase; Imidodipeptidase; PeptidaseD; Prolinedipeptidase; PRD; PEPD |
| **Accession No.** | AAH28295.1 |
| **Predicted Molecular Weight** | 54.5kDa |
| **AP Molecular Weight** | 60kDa, reducing conditions. |
| **Formulation** | Supplied as a 0.2 μm filtered solution of PBS, pH 7.4. |
| **Quality Control** | Purity: Greater than 95% as determined by reducing SDS-PAGE.<br>Endotoxin: Less than 0.1 ng/μg (1 IEU/μg) as determined by LAL test. |
| **Shipping** | The product is shipped on dry ice/polar packs.<br>Upon receipt, store it immediately at the temperature listed below. |
| **Storage** | Store at < -20°C, stable for 6 months after receipt.<br>Please minimize freeze-thaw cycles. |
| **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 autosomal recessive disorder associated with iminodipeptiduria. |

**SDS-Page**