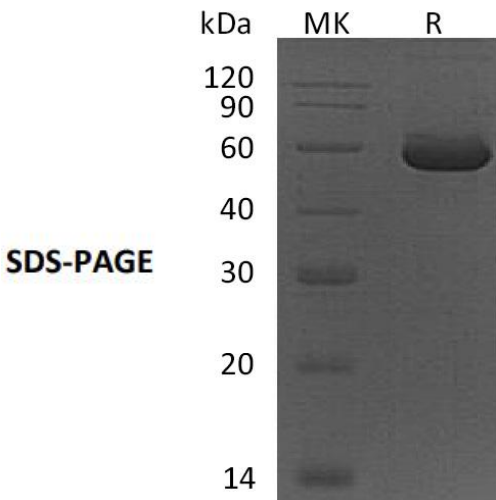


Recombinant Human PEPD

Catalog#:P01959 Derived from *E.coli*

DESCRIPTION	<p>Recombinant Human Peptidase D is produced by our <i>E.coli</i> expression system and the target gene encoding Ala2-Lys493 is expressed.</p> <p>Accession#: AAH28295.1</p> <p>Known as: Xaa-Pro dipeptidase; Imidodipeptidase; PeptidaseD; Prolinedipeptidase; PRD; PEPD</p>
FORMULATION	Supplied as a 0.2 μ m filtered solution of 25mM Tris-HCl, 100mM Glycine, 10% Glycerol, pH 8.5.
SHIPPING	<p>The product is shipped on dry ice/polar packs.</p> <p>Upon receipt, store it immediately at the temperature listed below.</p>
STORAGE	<p>Store at \leq-70°C, stable for 6 months after receipt.</p> <p>Store at \leq-70°C, stable for 3 months under sterile conditions after opening.</p> <p>Please minimize freeze-thaw cycles.</p>
QUALITY CONTROL	<p>Mol Mass:54.5kDa AP Mol Mass:60kDa, reducing conditions.</p> <p>Purity: Greater than 90% as determined by reducing SDS-PAGE.</p> <p>Endotoxin: Less than 0.1ng/μg (1 EU/μg) as determined by LAL test.</p>
BACKGROUND	<p>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.</p>
 <p>SDS-PAGE</p> <p>kDa MK R</p> <p>120</p> <p>90</p> <p>60</p> <p>40</p> <p>30</p> <p>20</p> <p>14</p>	