

# Recombinant Human Peptidase D/PEPD Protein

Catalog Number:PKSH032873



**Note:** Centrifuge before opening to ensure complete recovery of vial contents.

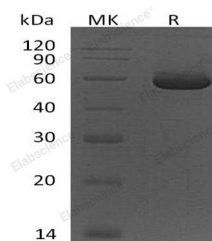
## Description

<b>Synonyms</b>	Xaa-Pro dipeptidase;Imidodipeptidase;PeptidaseD;Prolinedipeptidase;PRD;PEPD.
<b>Species</b>	Human
<b>Expression Host</b>	E.coli
<b>Sequence</b>	Ala2-Lys493
<b>Accession</b>	AAH28295.1
<b>Calculated Molecular Weight</b>	54.5 kDa
<b>Observed molecular weight</b>	60 kDa
<b>Tag</b>	None

## Properties

<b>Purity</b>	> 90 % as determined by reducing SDS-PAGE.
<b>Endotoxin</b>	< 1.0 EU per µg of the protein as determined by the LAL method.
<b>Storage</b>	Store at < -20°C, stable for 6 months. Please minimize freeze-thaw cycles.
<b>Shipping</b>	This product is provided as liquid. It is shipped at frozen temperature with blue ice/gel packs. Upon receipt, store it immediately at < - 20°C.
<b>Formulation</b>	Supplied as a 0.2 µm filtered solution of 25 mM Tris-HCl, 100 mM Glycine, 10% Glycerol pH 8.5.
<b>Reconstitution</b>	Not Applicable

## Data



> 90 % as determined by reducing SDS-PAGE.

## 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.

## For Research Use Only

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