



Recombinant Protein Technical Manual

Recombinant Human Peptidase D/PEPD Protein

RPES1525

Product Data:

Product SKU: RPES1525

Size: 10µg

Species: Human

Expression host: E. coli

Uniprot: P12955

Protein Information:

Molecular Mass: 54.5 kDa

AP Molecular Mass: 60 kDa

Tag:

Bio-activity:

Purity: > 95 % as determined by reducing SDS-PAGE.

Endotoxin: < 1.0 EU per µg as determined by the LAL method.

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

Shipping: 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.

Formulation: Supplied as a 0.2 µm filtered solution of 20mM PB, 150mM NaCl, pH7.4.

Reconstitution: Please refer to the printed manual for detailed information.

Application:

Synonyms: Xaa-Pro dipeptidase; Imidodipeptidase; PeptidaseD; Prolinedipeptidase; PRD; PEPD.

Immunogen Information:

Sequence: Ala2-Lys493

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 amino acids. Defects in PEPD are a cause of prolidase deficiency which is an autosomal recessive disorder associated with aminodipeptiduria.