

Peptidase D Human Recombinant

Item Number	rAP-1482
Synonyms	Xaa-Pro dipeptidase, X-Pro dipeptidase, Imidodipeptidase, Peptidase D, Proline dipeptidase, Prolidase, PRD, PEPD, Xaa-Pro dipeptidase isoform 1, PROLIDASE.
Description	PEPD Human Recombinant produced in E.Coli is a single, non-glycosylated polypeptide chain containing 516 amino acids (1-493a.a.) and having a molecular mass of 56.9kDa. PEPD is fused to a 23 amino acid His-tag at N-terminus & purified by proprietary chromatographic techniques.
Uniprot Accession Number	P12955
Amino Acid Sequence	MGSSHHHHH SSGLVPRGSH MGSMAAATGP SFWLGNETLK VPLALFALNR QRLCERLRKN PAVQAGSIVV LQGGEETQRY CTDTGVLFRRQ ESFFHWAFGV TEPGCGYVID VDTGKSTLFV PRLPASHATW MGKIHKEHF KEKYAVDDVQ YVDEIASVLT SQKPSVLLTL RGVNTDSGSVCREASFDGIS KFEVNNTILH PEIVECRVFK TDMELEVLRY TNKISSEHR EVMKAVKVG MKEYELESLE HCYSRGGMR HSSYTICIGS GENSAVLHYG HAGAP- NDRTI
Source	E.coli.
Physical Appearance and Stability	Sterile Filtered colorless solution. Store at 4°C if entire vial will be used within 2-4 weeks. Store, frozen at -20°C for longer periods of time. For long term storage it is recommended to add a carrier protein (0.1% HSA or BSA). Avoid multiple freeze-thaw cycles.
Formulation and Purity	PEPD protein solution (0.5mg/ml) containing Phosphate buffered saline (pH7.4), 10% glycerol and 1mM DTT. Greater than 90% as determined by SDS-PAGE.
Application	
Solubility	
Biological Activity	
Shipping Format and Condition	Lyophilized powder at room temperature.

Optimal dilutions should be determined by each laboratory for each application. The listed dilutions are for recommendation only and the final conditions should be optimized by the ender users! This product is sold for **Research Use Only**