

Pyroglutamyl-Peptidase I Human Recombinant

Item Number	rAP-1470
Synonyms	Pyroglutamyl-peptidase 1, EC 3.4.19.3, 5-oxopropyl-peptidase, Pyroglutamyl aminopeptidase I, PAP-I, Pyroglutamyl-peptidase I, PGP-I, Pyrrolidone-carboxylate peptidase, PGPEP1, PGPI, PGP, Pcp.
Description	PGPEP1 Human Recombinant produced in E.coli is a single, non-glycosylated polypeptide chain containing 232 amino acids (1-209) and having a molecular mass of 25.5kDa. PGPEP1 is fused to a 23 amino acid His-tag at N-terminus & purified by proprietary chromatographic techniques.
Uniprot Accession Number	Q9NXJ5
Amino Acid Sequence	MGSSHHHHH SSGLVPRGSH MGSMEQPRKA VVVTGFGPFG EHTVNASWIA VQELEKLGLG DSVDLHVYEI PVEYQTVQRL IPALWEKHSP QLVVHVGVS G MATTVTLEKC GHNKGYKGLD NCRF- CPGSQC CVEDGPESID SIIDMDAVCK RVTTLGLDVS VTISQDAGRY LCDFTYYTSL YQSHGRSAFV HVPPLGKPYN ADQLGRALRA IIEEMLDLLE QSEKINYCH KH.
Source	Escherichia 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	The PGPEP1 solution (0.5mg/ml) contains 20mM Tris-HCl buffer (pH 8.0), 0.15M NaCl, 20% glycerol and 1mM DTT. Greater than 95.0% 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**