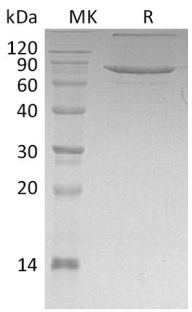
产品名称：Recombinant Human XPNPEP1 (C-6His)
产品货号：PEH0056

概述（Summary）

英文全称	Aminopeptidase P1/XPNPEP1
纯度（Purity）	Greater than 95% as determined by reducing SDS-PAGE
内毒素（Endotoxin level）	<1 EU/μg as determined by LAL test.
蛋白构建（Construction）	Recombinant Human Xaa-Pro Aminopeptidase 1 is produced by our E.coli expression system and the target gene encoding Pro2-His623 is expressed with a 6His tag at the C-terminus.
Accession #	Q9NQW7
表达宿主（Host）	E.coli
种属（Species）	Human
预测分子量（Predicted MW）	70.6 KDa
制剂（Form）	Supplied as a 0.2 μm filtered solution of 20mM PB, 8% Sucrose, 100mM NaCl, 10% Glycerol, 0.05% Tween80, 0.02% Tween20, pH 7.5.
运输方式（Shipping）	The product is shipped on dry ice/polar packs. Upon receipt, store it immediately at the temperature listed below.
稳定性&储存（Stability &Storage）	Store at ≤-70°C, stable for 6 months after receipt. Store at ≤-70°C, stable for 3 months under sterile conditions after opening. Please minimize freeze-thaw cycles.
复溶（Reconstitution）	

电泳图（SDS-PAGE image）



背景（Background）

产品名称：Recombinant Human XPNPEP1 (C-6His)
产品货号：PEH0056

分子别名（Alternative Names）	Xaa-Pro Aminopeptidase 1; Aminoacylproline Aminopeptidase; Cytosolic Aminopeptidase P; Soluble Aminopeptidase P; sAmp; X-Pro Aminopeptidase 1; X-Prolyl Aminopeptidase 1 Soluble; XPNPEP1; XPNPEPL; XPNPEPL1
背景介绍（References）	X-Prolyl Aminopeptidase (XPNPEP1) is a proline-specific metalloaminopeptidase that specifically catalyzes the removal of any unsubstituted N-terminal amino acid that is adjacent to a penultimate proline residue. Because of its specificity toward proline, it has been suggested that X-Prolyl Aminopeptidase is important in the maturation and degradation of peptide hormones, neuropeptides, and tachykinins, as well as in the digestion of otherwise resistant dietary protein fragments, thereby complementing the pancreatic peptidases. X-Prolyl Aminopeptidase is a member of the M24 family of metalloproteases, which also contains methionine aminopeptidases, X-Pro dipeptidase, aminopeptidase P2, aminopeptidase P homolog, proliferation-associated protein 1, and suppressor of Ty homolog or chromatin-specific transcription elongation factor large subunit. It is a soluble enzyme, in contrast to the GPI-anchored Aminopeptidase P2 encoded by XPNPEP2. Deficiency of X-Prolyl Aminopeptidase results in excretion of large amounts of imino-oligopeptides in urine. Human Aminopeptidase P1 is widely expressed. The amino acid sequence of human X-Prolyl Aminopeptidase is 99%, 97%, 95%, 74% and 73% identical to that of canine, bovine, mouse/rat, Xenopus and zebrafish, respectively.

注意事项（Note）

For research use only .