

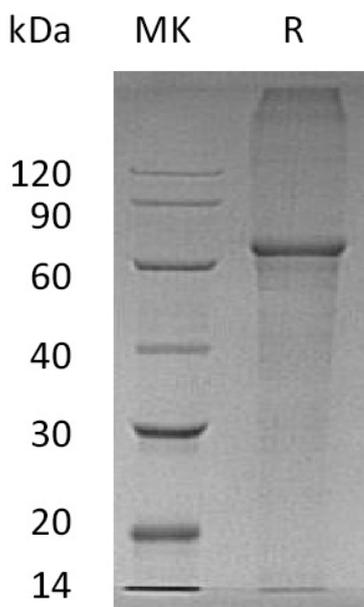
Product Name: Recombinant Human XPNPEP3 (N, C-6His)
Catalog #: PEH1835



Summary

| | |
|---------------------------------|--|
| Name | XPNPEP3/Probable Xaa-Pro aminopeptidase 3 |
| Purity | Greater than 95% as determined by reducing SDS-PAGE |
| Endotoxin level | <1 EU/μg as determined by LAL test. |
| Construction | Recombinant Human Probable Xaa-Pro Aminopeptidase 3 is produced by our E.coli expression system and the target gene encoding Met1-Ser507 is expressed with a 6His tag at the N-terminus, 6His tag at the C-terminus. |
| Accession # | Q9NQH7 |
| Host | E.coli |
| Species | Human |
| Predicted Molecular Mass | 60.2 KDa |
| Formulation | Supplied as a 0.2 μm filtered solution of 25mM Tris-HCl, 1mM DTT, pH 7.3. |
| Shipping | The product is shipped on dry ice/polar packs. Upon receipt, store it immediately at the temperature listed below. |
| 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. |
| Reconstitution | |

SDS-PAGE image





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Alternative Names

Probable Xaa-Pro Aminopeptidase 3; X-Pro Aminopeptidase 3; Aminopeptidase P3; APP3; XPNPEP3

Background

Probable Xaa-Pro Aminopeptidase 3 (XPNPEP3) is a member of the peptidase M24B family. XPNPEP3 has two isoforms and both are widely expressed. XPNPEP3 is localized in the Mitochondrion. XPNPEP3 catalyzes the release of any N-terminal amino acid, including proline, that is linked to proline, even from a dipeptide or tripeptide. Defects in XPNPEP3 are the cause of nephronophthisis-like nephropathy type 1 which is a disorder with features of nephronophthisis, a cystic kidney disease leading to end-stage renal failure.

Note

For Research Use Only , Not for Diagnostic Use.