Recombinant Human XPNPEP3 Protein

Catalog No.: RP03207LQ

Sequence Information

Species
Human

Gene ID
63929

Swiss Prot
Q9NQH7

Tags
N, C-6His

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

Product Information

Source
E. coli

Purification
≥ 95 % as determined by SDS-PAGE.

Calculated MW
60.2 KDa

Observed MW
65 KDa

Endotoxin
< 1 EU/μg of the protein by LAL method.

Formulation
Supplied as a 0.22 μm filtered solution in 25mM Tris-HCl, 1mM DTT, pH 7.3. Contact us for customized product form or formulation.

Reconstitution

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.

Basic Information

Description
Recombinant Human XPNPEP3 Protein is produced by *E. coli* expression system. The target protein is expressed with sequence (Met1-Ser507) of Human XPNPEP3 (Accession #NP_071381.1) fused with a 6His tag at the N-terminus, 6His tag at the C-terminus.

Activity

Shipping
Lyophilized proteins are shipped at ambient temperature.
Liquid proteins are shipped at frozen temperature with dry ice.
Upon receipt, store it immediately at the temperature recommended below.

Storage
Store at -70℃

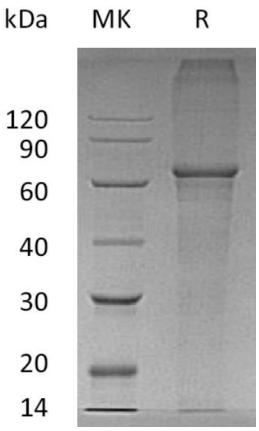
Operational Notes
For your safety and health, please wear a lab coat and disposable gloves for handling.

Contact

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Validation Data



Recombinant Human XPNPEP3 Protein was determined by SDS-PAGE under reducing conditions with Coomassie Blue.

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