

32-8113: Recombinant Human Xaa-Pro Aminopeptidase P3/XPNPEP3 (N, C-6His)(Discontinued)

Gene : XPNPEP3

Gene ID : 63929

Uniprot ID : Q9NQH7

Description

Source: E. coli.

MW :55.7kD.

Recombinant Human Aminopeptidase P3 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. 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.

Product Info

Amount : 10 µg / 50 µg

Content : Supplied as Lyophilized from a 0.2 µm filtered solution in PBS with 5% trehalose, pH 7.4
Reconstitute sterile water.

Storage condition : Store at -20°C, stable for 12 months as lyophilized, 2-8 oC for 1 month under sterile condition after reconstitution. Please minimize freeze-thaw cycles.

Amino Acid : MGSSHHHHHHSSGLVPRGSHMPWLLSAPKLVPAVANVRGLSGCMLCSQRRYSLQPVPERRIPNRYLGQSPSF
THPHLLRPGEVTPGLSQVEYALRRHKLMSLIQKEAQGQSGTDQTVVLSNPTYYSNDIPYTFHQDNNFLYLGC
FQEPDSILVLQSLPGKQLPSHKAILFVPRRDPRELWDGPRSGTDGAIALTGVDEAYLLEEFQHLLPKMKAETNM
VWYDWMRPSHAQLHSDYMQPLTEAKAKSKNKVGRGVQQLIQRLRLIKSPAIEIEMQIAGKLTSAFIETMFTSKA
PVEEAFLYAKFEFECRARGADILAYPPVVAGGNRSNTLHYVKNNQLIKDGEMVLLDGGCESSCYSDITRTWPV
NGRFTAPQAELYEAVLEIQRDCLALCFPGTSLNIYSMMMLTLIGQKLKDLGIMKNIKENNAFKAARKYCPHHVGH
YLGMDVHDTDPMPRSLPLQPGMVITIEPGIYIPEDDKDAPEKFRGLGVRIEDDVVVTQDSPFILSADCPKEMNDI
EQICSQASLEHHHHHH

Application Note

Endotoxin : Less than 0.1 ng/µg (1 IEU/µg) as determined by LAL test.

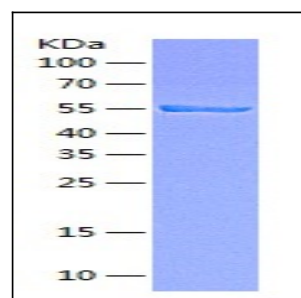


Fig-1: Recombinant Human Xaa-Pro Aminopeptidase P3 was run on a 4-20% SDS-PAGE gel followed by Coomassie blue staining.