



Recombinant Protein Technical Manual

Recombinant Human XPNPEP3 Protein (His Tag)

RPES2850

Product Data:

Product SKU: RPES2850

Size: 10µg

Species: Human

Expression host: E. coli

Uniprot: Q9NQH7

Protein Information:

Molecular Mass: 60.2 kDa

AP Molecular Mass: 65 kDa

Tag: N,C-6His

Bio-activity:

Purity: > 95 % as determined by reducing SDS-PAGE.

Endotoxin: < 1.0 EU per µg as determined by the LAL method.

Storage: Store at < -20°C, stable for 6 months. Please minimize freeze-thaw cycles.

Shipping: This product is provided as liquid. It is shipped at frozen temperature with blue ice/gel packs. Upon receipt, store it immediately at < -20°C.

Formulation: Supplied as a 0.2 µm filtered solution of 25mM Tris, 1mM DTT, pH 7.3.

Reconstitution: Please refer to the printed manual for detailed information.

Application:

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

Immunogen Information:

Sequence: Met 1-Ser507

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.