

Product datasheet

Recombinant Human PNPO protein ab101213

1 Image

Description

Product name	Recombinant Human PNPO protein
Purity	> 95 % SDS-PAGE. ab101213 was purified using conventional chromatography.
Expression system	Escherichia coli
Accession	<u>Q9NVS9</u>
Protein length	Protein fragment
Animal free	No
Nature	Recombinant
Species	Human
Sequence	MGSSHHHHHSSGLVPRGSHMDPVKQFAAWFEEAVQ CPDIGEANAMCLAT CTRDGKPSARMLLLKGFKDGFRFFTFNFSRKGKELDSN PFASLVFYWEP LNRQVRVEGPVKKLPEEEAECYFHSRPKSSQIGAVVSHQ SSVIPDREYLR KKNEELEQLYQDQEVKPKSWGGYLYPQVMEFWQQQT NRLHDRVFRRG LPTGDSPLGPMTHRGEEDWLYERLAP
Predicted molecular weight	26 kDa including tags
Amino acids	57 to 261
Tags	His tag N-Terminus

Specifications

Our **Abpromise guarantee** covers the use of **ab101213** in the following tested applications.

The application notes include recommended starting dilutions; optimal dilutions/concentrations should be determined by the end user.

Applications	Mass Spectrometry SDS-PAGE
Mass spectrometry	MALDI-TOF
Form	Liquid

Preparation and Storage

Stability and Storage Shipped at 4°C. Upon delivery aliquot and store at -20°C or -80°C. Avoid repeated freeze / thaw cycles.
pH: 8.00
Constituents: 0.00174% PMSF, 0.316% Tris HCl, 10% Glycerol (glycerin, glycerine), 0.58% Sodium chloride

General Info

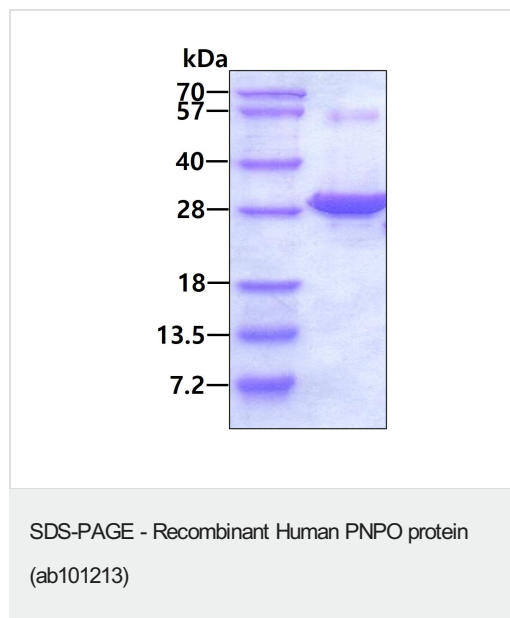
Function Catalyzes the oxidation of either pyridoxine 5'-phosphate (PNP) or pyridoxamine 5'-phosphate (PMP) into pyridoxal 5'-phosphate (PLP).

Pathway Cofactor biosynthesis; B6 vitamers interconversion; pyridoxal 5'-phosphate from pyridoxamine 5'-phosphate: step 1/1.
Cofactor biosynthesis; B6 vitamers interconversion; pyridoxal 5'-phosphate from pyridoxine 5'-phosphate: step 1/1.

Involvement in disease Defects in PNPO are the cause of pyridoxine-5'-phosphate oxidase deficiency (PNPO deficiency) [MIM:610090]; also known as PNPO-related neonatal epileptic encephalopathy. The main feature of neonatal epileptic encephalopathy is the onset within hours of birth of a severe seizure disorder that does not respond to anticonvulsant drugs and can be fatal. Seizures can cease with the administration of PLP, being resistant to treatment with pyridoxine.

Sequence similarities Belongs to the pyridoxamine 5'-phosphate oxidase family.

Images



SDS-PAGE of ab101213 (3µg) under reducing condition and visualized by coomassie blue stain.

Please note: All products are "FOR RESEARCH USE ONLY. NOT FOR USE IN DIAGNOSTIC PROCEDURES"

Our Abpromise to you: Quality guaranteed and expert technical support

- Replacement or refund for products not performing as stated on the datasheet

- Valid for 12 months from date of delivery
- Response to your inquiry within 24 hours

- We provide support in Chinese, English, French, German, Japanese and Spanish
- Extensive multi-media technical resources to help you
- We investigate all quality concerns to ensure our products perform to the highest standards

If the product does not perform as described on this datasheet, we will offer a refund or replacement. For full details of the Abpromise, please visit <https://www.abcam.com/abpromise> or contact our technical team.

Terms and conditions

- Guarantee only valid for products bought direct from Abcam or one of our authorized distributors