

Datasheet for ABIN7550598  
**PANK1 Protein (AA 1-598) (His tag)**



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## Overview

Quantity:	1 mg
Target:	PANK1
Protein Characteristics:	AA 1-598
Origin:	Human
Source:	HEK-293 Cells
Protein Type:	Recombinant
Purification tag / Conjugate:	This PANK1 protein is labelled with His tag.

## Product Details

Purpose:	Custom-made recombinant PANK1 Protein expressed in mammalian cells.
Sequence:	MLKLVGGGGG QDWACSVAGT SLGGEEAAFE VARPGDQGKA GGGSPGWGCA GIPDSAPGAG VLQAGAVGPA RGGQGAEVVG ESAGGGGEERR VRHPQAPALR LLNRKPQGGG GEIKTPENDL QRGRLSRGPR TAPPAPGMGD RSGQQERSVP HSPGAPVGTS AAVNGLLLHN GFHPPPVQPP HVCSRGPVGG SDAAPQRLPL LPELQPQPLL PQHDSPAKKC RLRRRMDSGR KNRPPFPWFG MDIGGTLVKL VYFEPKDITA EEEQEEVENL KSIRKYLTSN TAYGKTGIRD VHLELKNLTM CGRKGNLHFI RFPSCAMHRF IQMGSEKNFS SLHTTLCATG GGAFKFEEDF RMIADLQLHK LDELDCLIQG LLYVDSVGFN GKPECYFEN PTNPELCQKK PYCLDNPYPM LLVNMGSGVS ILAVYSKDNY KRVTGTSLGG GTFLGLCCLL TGCFEFEEAL EMAAKGDSTN VDKLVKDIYG GDYERFGLQG SAVASSFGNM MSKEKRDSIS KEDLARATLV TITNNIGSIA RMCALNENID RVVFGNFLR INMVSMKLLA YAMDFWSKGQ LKALFLEHEG YFGAVGALLE LFKMTDDK

**Sequence without tag. The proposed Purification-Tag is based on experiences with the expression system, a different complexity of the protein could make another tag necessary.**

## Product Details

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### **In case you have a special request, please contact us.**

**Specificity:** If you are looking for a specific domain and are interested in a partial protein or a different isoform, please contact us regarding an individual offer.

**Characteristics:** **Key Benefits:**

- Made to order protein - from design to production - by highly experienced protein experts.
- Protein expressed in mammalian cells and purified in one-step affinity chromatography
- The optimized expression system ensures reliability for intracellular, secreted and transmembrane proteins.
- State-of-the-art algorithm used for plasmid design (Gene synthesis).

This protein is a made-to-order protein and will be made for the first time for your order. Our experts in the lab try to ensure that you receive soluble protein.

If you are not interested in a full length protein, please contact us for individual protein fragments.

The big advantage of ordering our made-to-order proteins in comparison to ordering custom made proteins from other companies is that there is no financial obligation in case the protein cannot be expressed or purified.

**Purity:** > 90 % as determined by Bis-Tris PAGE, anti-tag ELISA, Western Blot and analytical SEC (HPLC)

**Grade:** custom-made

## Target Details

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**Target:** PANK1

**Alternative Name:** PANK1 ([PANK1 Products](#))

**Background:** Pantothenate kinase 1 (hPank) (hPank1) (EC 2.7.1.33) (Pantothenic acid kinase 1),FUNCTION: [Isoform 1]: Catalyzes the phosphorylation of pantothenate to generate 4'-phosphopantothenate in the first and rate-determining step of coenzyme A (CoA) synthesis. {ECO:0000269|PubMed:14523052, ECO:0000269|PubMed:17631502}.

**Molecular Weight:** 64.3 kDa

**UniProt:** [Q8TE04](#)

**Pathways:** [Ribonucleoside Biosynthetic Process](#)

## Application Details

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Application Notes: We expect the protein to work for functional studies. As the protein has not been tested for functional studies yet we cannot offer a guarantee though.

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Restrictions: For Research Use only

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## Handling

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Format: Liquid

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Buffer: The buffer composition is at the discretion of the manufacturer.

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Handling Advice: Avoid repeated freeze-thaw cycles.

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Storage: -80 °C

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Storage Comment: Store at -80°C.

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Expiry Date: 12 months

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