

Product datasheet

Recombinant *P. falciparum* PfHDAC1 protein (Active)  
 ab271711

2 Images

Description

**Product name** Recombinant *P. falciparum* PfHDAC1 protein (Active)

**Biological activity** Specific Activity: ≥1.85 pmol/min/μg.

Assay Conditions: 25 mM Tris/HCl, pH 8.0, 137 mM NaCl, 2.7 mM KCl, 1 mM MgCl<sub>2</sub>, and 0.1 mg/ml BSA, 20 μM BPS HDAC substrate 3, and pf-HDAC1. HDAC reaction was performed for 30 mins at 37°C followed by treatment with 50 μl of HDAC developer for 15 mins at RT. Fluorescence intensity is measured at ex360/em460.

**Purity** ≥ 58 % SDS-PAGE.  
 Affinity purified.

**Expression system** Baculovirus infected Sf9 cells

**Accession** [Q9XYC7](#)

**Protein length** Protein fragment

**Animal free** No

**Nature** Recombinant

**Species** Plasmodium falciparum

**Sequence**

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MSNRKKVAYF HDPDIGSYYY GAGHPMKPQR
IRMTHSLIVS YNLYKYMVY RPHKSDVNEL TLFHDYEYID
FLSSISLENY REFTYQLKRF NVGEATDCPV
FDGLFQFQQS CAGASIDGAS KLNHHCADIC
VNWSGGLHHA KMSEASGFCY INDIVLGILE LLKYHARVMY
IDIDVHHGDG VEEAFYVTHR VMTVSFHKFG DYFPGTGDI
DVGVNHGKYY SVNVPLNDGM TDDAFVDLFK
VVIDKCVQTY RPGAIIQCG ADSLTGDRLG RFNLTIKGHA
RCVEHVRSYN IPLLVLGGGG YTIRNVSRCW
AYETGVVLNK HHEMPDQISL NDYYDYAPD FQLHLQPSNI
PNYNSPEHLS RIKMKIAENL RHIEHAPGVQ FSYVPPDFFN
SDIDDESCKN QYELKDDSGG GRAPGTRAKE
HSTTHLRRK NYDDDFDLS DRDQSMPY
  
```

**Predicted molecular weight** 53 kDa including tags

**Amino acids** 1 to 449

## Tags

His tag C-Terminus , DDDDK tag C-Terminus

## Specifications

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Our [Abpromise guarantee](#) covers the use of **ab271711** in the following tested applications.

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

### Applications

Functional Studies

SDS-PAGE

### Form

Liquid

## Preparation and Storage

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### Stability and Storage

Shipped on Dry Ice. Store at -80°C. Avoid freeze / thaw cycle.

pH: 8.00

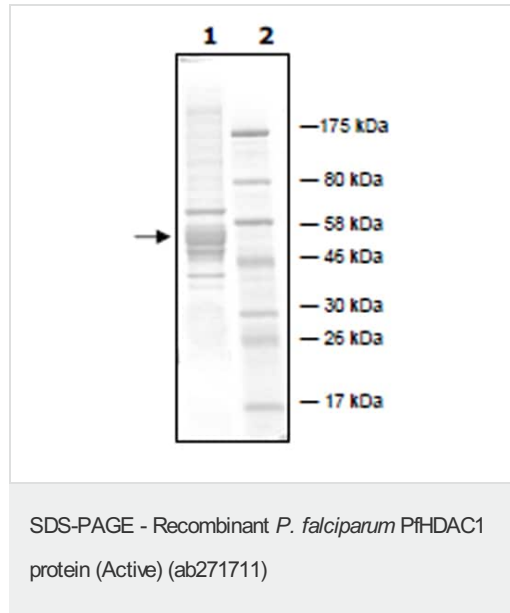
Constituents: 0.71% Tris HCl, 0.72% Sodium chloride, 0.02% Potassium chloride, 10% Glycerol (glycerin, glycerine)

90 µg/ml FLAG peptide

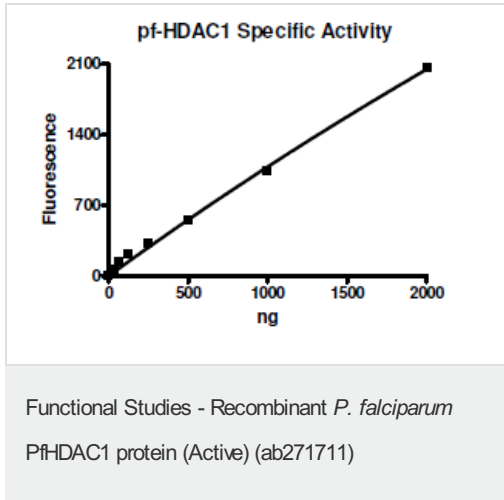
This product is an active protein and may elicit a biological response in vivo, handle with caution.

## Images

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SDS-PAGE analysis of ab271711.



Specific activity of ab271711  $\geq 1.85$  pmol/min/ $\mu$ g.

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

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