

## Product datasheet

# Recombinant Human Pet1 protein ab162827

1 Image

### Overview

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<b>Product name</b>	Recombinant Human Pet1 protein
<b>Protein length</b>	Full length protein

### Description

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<b>Nature</b>	Recombinant
<b>Source</b>	Wheat germ
<b>Amino Acid Sequence</b>	
<b>Species</b>	Human
<b>Sequence</b>	<p>MRQSGASQPLLINMYLPDPVGDGLFKDGKNPSWGPL            SPAVQKGSGQQLW            QFLELLADRANAGCIAWEGGHGEFKLTDPDEVARR            WGERKSKPNMNYDK            LSRALRYYYDKNIMSKVHGKRYAYRFDQGLAQACQP            PPAHAHAHAHAHA            AAAAAQDGALYKLPAGLAPLPFPGLSKLNLMAASAGV            APAGFSYWPGPGP            AATAAAATAALYPSPSLQPPPFPFGAVAAASHLGGHY            H</p>
<b>Amino acids</b>	1 to 238
<b>Tags</b>	proprietary tag N-Terminus

### Specifications

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Our [Abpromise guarantee](#) covers the use of **ab162827** in the following tested applications.

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

<b>Applications</b>	ELISA Western blot
<b>Form</b>	Liquid
<b>Additional notes</b>	Protein concentration is above or equal to 0.05 mg/ml.

### Preparation and Storage

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## Stability and Storage

Shipped on dry ice. Upon delivery aliquot and store at -80°C. Avoid freeze / thaw cycles.

pH: 8.00

Constituents: 0.31% Glutathione, 0.79% Tris HCl

## General Info

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### Function

Functions as a transcriptional regulator. According to PubMed:12761502, it functions as a transcriptional repressor. Functions in the differentiation and the maintenance of the central serotonergic neurons. May play a role in cell growth.

### Tissue specificity

In brain, exclusively expressed in the major serotonergic neurons of the dorsal and median raphe nuclei located in the midbrain and pons. Also detected in prostate and small intestine.

### Involvement in disease

Genetic variation in FEV may be associated with susceptibility to sudden infant death syndrome (SIDS) [MIM:272120]. SIDS remains elusive in its causes and devastating in its consequences. Despite the impressive decline in the incidence of SIDS since the recommendation to avoid the prone sleep position, SIDS remains a leading cause of death in the first year of life. Note=A chromosomal aberration involving FEV is found in Ewing tumors. Translocation t(2;21;22)(q23;q22;q12) that forms a EWSR1-FEV fusion protein with a potential oncogenic activity.

### Sequence similarities

Belongs to the ETS family.  
Contains 1 ETS DNA-binding domain.

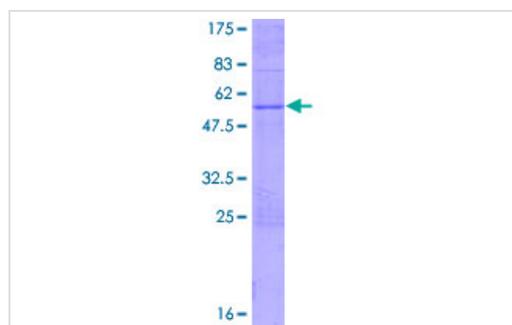
### Cellular localization

Nucleus.

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## Images

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ab162827 on a 12.5% SDS-PAGE stained with Coomassie Blue.

SDS-PAGE - Recombinant Human Pet1 protein  
(ab162827)

**Please note:** All products are "FOR RESEARCH USE ONLY AND ARE NOT INTENDED FOR DIAGNOSTIC OR THERAPEUTIC USE"

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- 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.

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