

Product datasheet

Recombinant Human PDE9A protein ab159079

1 Image

Overview

Product name	Recombinant Human PDE9A protein
Protein length	Protein fragment

Description

Nature	Recombinant
Source	Wheat germ
Amino Acid Sequence	
Species	Human
Sequence	EGLPVAPFMDRDKVTKATAQIGFIKFLIPMFETVTKLF PMVEEIMLQPL WESRDRYEELKRIDDAMKELQKKTDSLTSGATEKSRE RSRDVKNSEGDC
Amino acids	434 to 533
Tags	GST tag N-Terminus

Specifications

Our [Abpromise guarantee](#) covers the use of **ab159079** in the following tested applications.

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

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

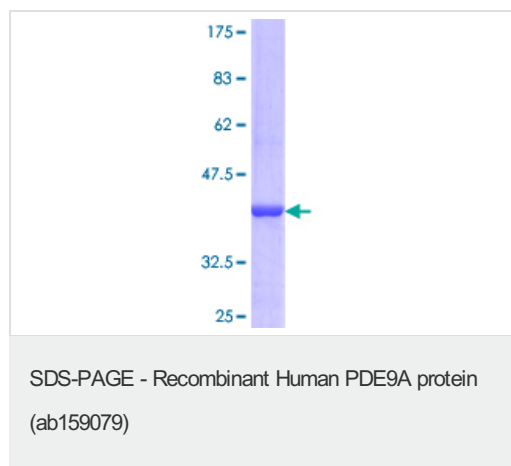
Preparation and Storage

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
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General Info

Function	Hydrolyzes the second messenger cGMP, which is a key regulator of many important physiological processes.
Tissue specificity	Expressed in all tissues examined (testis, brain, small intestine, skeletal muscle, heart, lung, thymus, spleen, placenta, kidney, liver, pancreas, ovary and prostate) except blood. Highest levels in brain, heart, kidney, spleen, prostate and colon. Isoform PDE9A12 is found in prostate.
Sequence similarities	Belongs to the cyclic nucleotide phosphodiesterase family. PDE9 subfamily.
Domain	Composed of a C-terminal catalytic domain containing two putative divalent metal sites and an N-terminal regulatory domain.
Cellular localization	Cytoplasm. Endoplasmic reticulum; Cell projection > ruffle membrane. Cytoplasm > perinuclear region and Cell projection > ruffle membrane. Cytoplasm > perinuclear region. Golgi apparatus. Endoplasmic reticulum.

Images



ab159079 on a 12.5% SDS-PAGE stained with Coomassie Blue.

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

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