

Recombinant human PDE9A protein ab54113

製品の詳細

製品名	Recombinant human PDE9A protein
生理活性	Specific Activity: 97 U/ug. 1 unit will release 1 pmole phosphate per minute from 400 uM 5'-GMP at 30 °C in a reaction buffer of 10 mM Tris-HCl, pH 7.4, 1 mM MgCl ₂ . Assay buffer: 10mM Tris-HCl, pH 7.4, 1 mM Magnesium chloride ; 3', 5'-cGMP substrate: 0.4 mM; PDE9A: 5 ng/ul.
精製度	> 75 % SDS-PAGE. Affinity purified.
発現系	Baculovirus infected Sf9 cells
タンパク質長	Full length protein
Animal free	No
由来	Recombinant
生物種	Human
タグ	GST tag N-Terminus

特性

Our **Abpromise guarantee** covers the use of **ab54113** in the following tested applications.

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

アプリケーション	SDS-PAGE Phosphatase Activity Inhibition Assay
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製品の状態	Liquid
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前処理および保存

保存方法および安定性	Shipped on Dry Ice. Upon delivery aliquot. Store at -80°C. Avoid freeze / thaw cycle. pH: 8.00 Constituents: 0.1535% Glutathione, 0.0462% (R*,R*)-1,4-Dimercaptobutan-2,3-diol, 0.395% Tris HCl, 0.05% Tween, 30% Glycerol (glycerin, glycerine), 0.58% Sodium chloride This product is an active protein and may elicit a biological response in vivo, handle with caution.
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関連情報

機能	Hydrolyzes the second messenger cGMP, which is a key regulator of many important physiological processes.
組織特異性	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.
配列類似性	Belongs to the cyclic nucleotide phosphodiesterase family. PDE9 subfamily.
ドメイン	Composed of a C-terminal catalytic domain containing two putative divalent metal sites and an N-terminal regulatory domain.
細胞内局在	Cytoplasm. Endoplasmic reticulum; Cell projection > ruffle membrane. Cytoplasm > perinuclear region and Cell projection > ruffle membrane. Cytoplasm > perinuclear region. Golgi apparatus. Endoplasmic reticulum.

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

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