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Lieferung & Zahlungsart

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Zuschläge

- Mindermengenzuschlag
- Trockeneiszuschlag
- Gefahrgutzuschlag
- Expressversand

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Data Sheet

PDE4D

Rat, recombinant, N-terminal GST-tag

Catalog #: 60054

Lot#: 120824-G Conc.: 0.12 mg/ml

Formulated in: 40 mM Tris-HCl, pH 8.0, 110 mM NaCl, 2.2 mM KCl, 3 mM DTT, and 20% glycerol.

Stability: >6 months at -70°C . Avoid freeze/thaw cycles.

References:

1. Leong, H., *et al.*, *Life Sci.* 2010;**86(19-20)**:740-746.
2. Dodge-Kafka, K.L., *et al.*, *J. Biol. Chem.* 2010;**285(15)**:11078-11086.

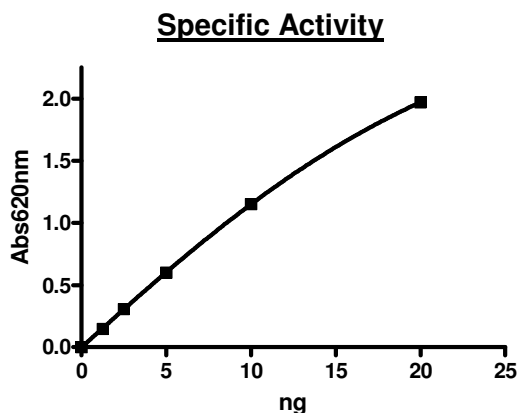
Description: Rat phosphodiesterase 4D (PDE4D) (GenBank Accession No. NM_001113328), a.a. 2-804 (end) with N-terminal GST-tag, MW=117.2 kDa, expressed in a Baculovirus infected Sf9 cell expression system.

Specific Activity: 22,535 pmole/min/ μg .

Assay Description: One unit is defined as the amount of enzyme that will convert 1 pmole of 3', 5'-cAMP to 5'-AMP per min at 37°C . Assay conditions: 10 mM Tris-HCl, pH 7.4, 10 mM MgCl_2 , 0.1 mg/ml BSA, 0.05% Tween-20, 200 μM cAMP, and serial dilutions of rPDE4D at 37°C for 20 min. Quantified by 5' nucleotidase cleaving the 5'-AMP product and releasing the phosphate group which is detected by Malachite Green Reagent.

Application: Useful for the study of enzyme kinetics, screening inhibitors, and selectivity profiling.

Quality Assurance

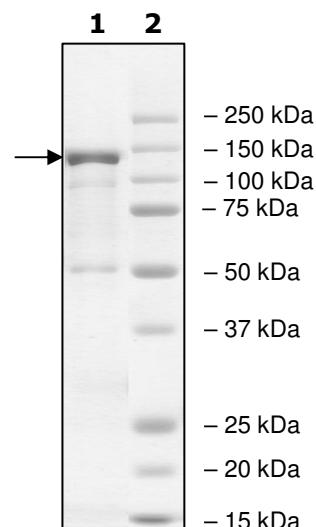


4-20% SDS-PAGE Coomassie staining

Lane 1:
2 μg rat PDE4D

Lane 2:
Protein Markers

MW: 117.2 kDa
Purity: $\geq 80\%$



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Sequence:

MSPILGYWKIKGLVQPTRLLLEYLEEKYEEHLYERDEGDKWRNKKFELGLEFPNLPYYI
DGDVKLTQSMAIIRYIADKHNMLGGCPKERAIEISMLEGAVLDIRYGVSR IAYS KDFETLK
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