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Zuschläge

- Mindermengenzuschlag
- Trockeneiszuschlag
- Gefahrgutzuschlag
- Expressversand

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Data Sheet

PDE3A (Dog), FLAG-Tag

Dog, Recombinant, C-terminal FLAG-tag

Catalog #: 100264

Lot #: 190124-2

Conc.: 0.245 mg/ml

Formulated in: 40 mM Tris-HCl, pH 8.0, 110 mM NaCl, 2.2 mM KCl, 0.04% Tween-20, 3mM DTT and 20% glycerol.

Stability: At least 6 months at -80°C . Avoid freeze/thaw cycles.

References:

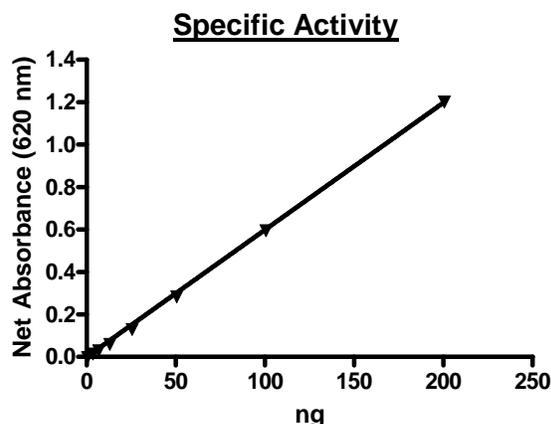
1. Hung, S.H., *et al.* *J. Biol. Chem.* **281** (39), 29236-29244 (2006)
2. Hambleton, R., *et al.* *J. Biol. Chem.* **280** (47), 39168-39174 (2005)

Description: Dog PDE3A, also known as Phosphodiesterase 3A, cGMP-Inhibited 3',5'-Cyclic Phosphodiesterase A, and CGI-PDE A, GenBank Accession No. XP_005637137, a.a. 343-998 (end), with C-terminal FLAG-tag, expressed in a HEK293 expression system, MW = 75 KDa. TM

Specific Activity: >1300 pmol/min/ μg .
Assay condition: 10 mM Tris-HCl, pH 7.4, 10 mM MgCl_2 , 0.1 mg/ml BSA, 0.05% Tween-20, 200 μM cAMP, 0.02% TritonX, and serial dilutions of PDE3A 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. Absorbance was measured at 620 nm.

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

Quality Assurance

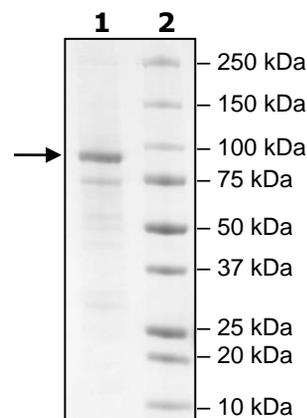


4-20% SDS-PAGE Coomassie staining

Lane 1:
2 μg PDE3A(Dog)

Lane 2:
Protein Marker

MW: 75 kDa
Purity: $\geq 70\%$



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