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Lieferung & Zahlungsart

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Zuschläge

- Mindermengenzuschlag
- Trockeneiszuschlag
- Gefahrgutzuschlag
- Expressversand

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Data Sheet

PDE4B3, GST-Tag

Human, Recombinant, N-terminal GST tag

Catalog #: 11675

Lot #: 180606-G

Conc.: 0.14 mg/ml

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

Stability: At least 6 months at -80°C . Avoid freeze/thaw cycles. Storing diluted enzyme is not recommended, if necessary, use carrier protein (BSA 0.1 – 0.5%).

References:

1. Ahmed, T., *et al.*, *Neuroscience*. **117(3)**, 627-638 (2003).
2. Millar, J., *et al.*, *Science*. **310(5751)**, 1187-1191 (2005).

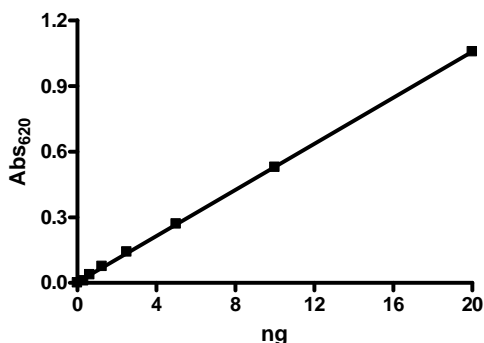
Description: Human PDE4B3 (GenBank Accession No. NM_001037340), 2-721 (end), with N-terminal GST tag, MW=108 kDa, expressed in a Baculovirus infected Sf9 cell expression system.

Specific Activity: 10,500 pmole/min/ μg . Assay conditions: 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 condition: 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 PDE4B3 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

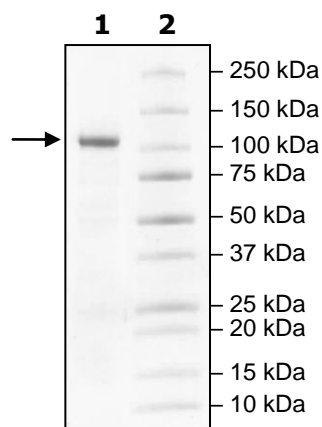
Specific Activity



4-20% SDS-PAGE Coomassie staining

Lane 1:
2 μg PDE4B3
Lane 2:
Protein Marker

MW: 108 kDa
Purity: $\geq 90\%$



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