

Certificate of Analysis

Recombinant Human GRK5 Expressed in Human Cells

GRK5^{HumaXpress}

Cat #: HZ-2028 Lot # CHI-0607

Product Description: Recombinant human full-length N-terminal GST-tagged GRK5 (Accession No:BC064506) expressed in engineered human cells.

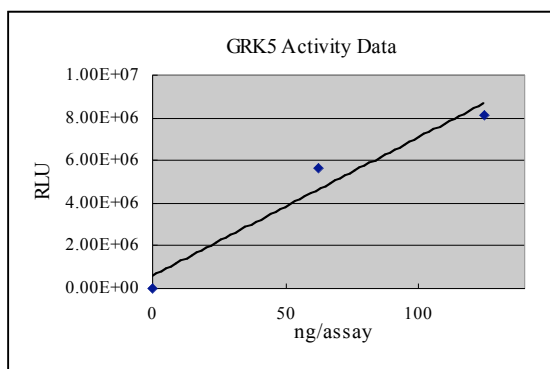
Specific Activity: 280U/mg, where one unit of kinase activity is equivalent to 1nmole of ATP consumed in the presence of 2mg/ml casein at 30 °C with a final ATP concentration of 100µM.

Quality Control Testing

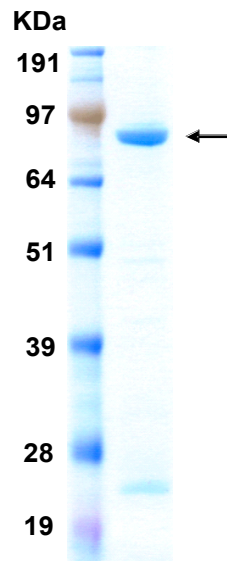
GRK5 Kinase activity Assay:

GRK5 was assayed using 2mg/ml casein after stimulation. The GRK5 protein was incubated with the substrate at 30 °C for 10 minutes. Activity was measured and the luminescent signal was converted to the ATP consumed in the reaction.

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Purity Confirmation: Purity was assessed by SDS-PAGE and SimplyBlue SafeStaining using 1µg of GRK5 kinase protein. Arrow indicates the GST-fused GRK5.



Reference

Lange-Carter, C.A., et al. (1993), *Science* 260, 315-319

Ellinger-Ziegelbauer H., et al. (1997), *J Biol Chem.* 272:2668-2674