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## Data Sheet

### GRK7

Human, recombinant, N-terminal GST tag

**Catalog #:** 40108

**Lot #:** 110419      **Conc.:** 0.1 mg/ml

**Formulated in:** 50 mM Tris-HCl, pH 7.5, 150 mM NaCl, 0.1 mM EDTA, 10 mM glutathione, 0.25 mM DTT, 0.1 mM PMSF, 25% glycerol.

**Stability:** >12 months at -80°C

**References:**

1. Chen, C.K., *et al. Molec. Vision* **7**: 305-313 (2001).
2. Horner, T.J., *et al. J. Biol. Chem.* **280**: 28241-250 (2005).

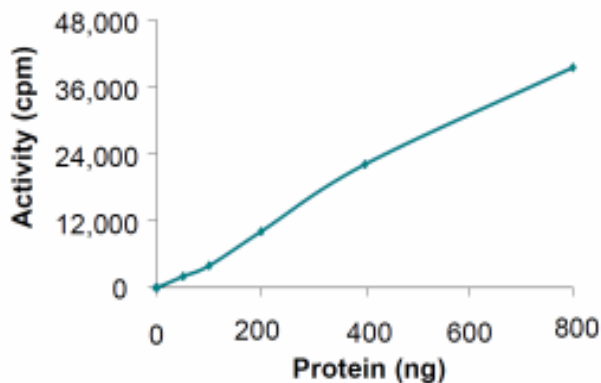
**Description:** Human GRK7, also known as GPRK7 (GenBank Accession No. NM\_139209), full length, with N-terminal GST tag, MW ~89 kDa, expressed in Sf9 insect cells via a baculovirus expression system.

**Specific Activity:** 2.5 pmol/min/μg

Assay Buffer: 5 mM MOPS, 2.5 mM β-glycerophosphate, 5 mM MgCl<sub>2</sub>, 1 mM EGTA, 0.4 mM EDTA, 0.05 mM DTT, 2 mM ATP. Incubate GRK7 with 0.5 mg/ml PLKtide substrate, and [<sup>33</sup>P]-ATP at 30°C for 15 minutes, then spot reaction on phosphocellulose paper, fix in 1% phosphoric acid, and assay with a scintillation counter.

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

### Quality Assurance

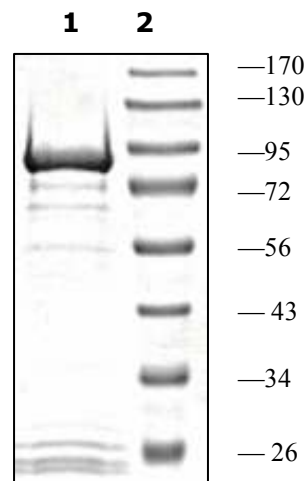


**10% SDS-PAGE  
Coomassie staining**

**Lane 1:**  
GRK7 →

**Lane 2:**  
Protein Marker

**MW:** 89 kDa  
**Purity:** ≥90%



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