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## Data Sheet

### **EPHB4**

Human, recombinant, N-terminal HIS tag

**Catalog #:** 40201

**Lot #:** 120719      **Conc.:** 1.34 mg/ml

**Formulated in:** 40 mM Tris-HCl, pH 8.0,  
110 mM NaCl, 2.2 mM KCl, 200 mM  
Imidazole, 3 mM DTT, and 20% glycerol.

**Stability:** >12 months at -80°C

#### **References:**

1. Bruhl, T., *et al.*, *Circ. Res.* **94(6)**, 743-751 (2004.)
2. Fuller, T., *et al.*, *J. Cell Sci.* **116(Pt12)**, 2461-2470 (2003).

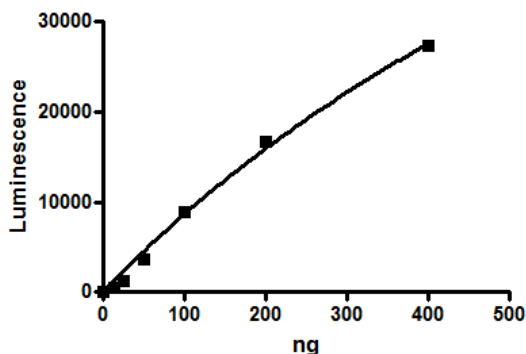
**Description:** Human EPHB4 ( GenBank Accession No. NM\_004444), (a.a. 563-987) with N-terminal His tag, MW=52 kDa, expressed in a Baculovirus infected Sf9 cell expression system.

**Specific Activity:** 43 pmole/min/μg  
Assay conditions: ADP-Glo assay with 0.2 mg/ml poly-(Glu4:Tyr) as a substrate and 100 μM ATP at final concentration. Reaction was done for 45 min at 30°C. ADP-Glo for 45 min at RT, and Kinase detection for 55 min at RT.

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

### **Quality Assurance**

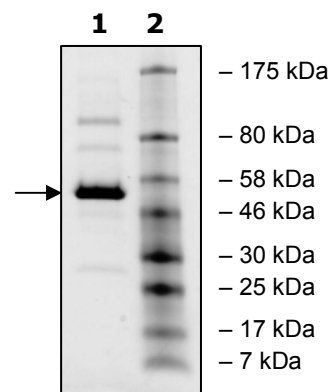
#### **Specific Activity**



#### **4-20% SDS-PAGE Coomassie staining**

**Lane 1:**  
5 μg EPHB4  
**Lane 2:**  
Protein Marker  
BioLabs (#P7708L)

**MW:** 52 kDa  
**Purity:** ≥78%



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