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## Product Data Sheet

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Product Name: EPHB4 Mouse  
Cat. No.: GP23411  
Batch No.: 1

### Product Data

Purity >98%

Source

Physical Appearance solid

Shipping Condition

Synonyms Ephrin type-B receptor 4 (EC:2.7.10.1); Developmental kinase 2; mDK-2; Hepatoma transmembrane kinase; Tyrosine kinase MYK-1

Amino Acid Sequence LEETLLNTKLETADLKWVTYPQAEQWEELSGLDDEEQHSVRTYEVCDMKRPGGQAHWLRTGWVPRRGAVHVYATIRFTMMECLSLPRASRSCKETFT

Formulation EPHB4 protein solution (0.25mg/ml) contains Phosphate Buffered Saline (pH 7.4) and 10% glycerol.

### Introduction

Ephrin type-B receptor 4 isoform b (Ephb4) belongs to the Eph receptor tyrosine kinase family which functions in neuronal guidance and mediate venal/arterial separation. EPHB4-mediated forward signaling regulates cellular repulsion and segregation from EFNB2-expressing cells. Furthermore, Ephb4 has a role in postnatal blood vessel remodeling, morphogenesis and permeability and is therefore essential in the context of tumor angiogenesis.

### Stability

Store at 4°C if entire vial will be used within 2-4 weeks. Store, frozen at -20°C for longer periods of time. For long term storage it is recommended to add a carrier protein (0.1% HSA or BSA). Avoid multiple freeze-thaw cycles.

### Background

EPHB4 Mouse Recombinant produced in Sf9 Baculovirus cells is a single, glycosylated polypeptide chain containing 532 amino acids (16-539 a.a.) and having a molecular mass of 58.7kDa (Migrates at 50-70kDa on SDS-PAGE under reducing conditions). EPHB4 is expressed with an 8 amino acid His tag at C-Terminus and purified by proprietary chromatographic techniques.

**Caution: Product has not been fully validated for medical applications. For research use only.**

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