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Product Information

MemDX™ Membrane Protein Human EPHB1 (EPH receptor B1) Expressed in HEK293 for Antibody Discovery, Partial (1-540aa)

Cat. No.: **MPX0191K**
This product is for research use only and is not intended for diagnostic use.

This product is a 60 kDa Human EPHB1 membrane protein expressed in HEK293. The protein is for research use only and is not approved for use in humans or in clinical diagnosis.

Product Specifications

Host Species
Human

Target Protein
EPHB1

Protein Length
Partial (1-540aa)

Protein Class
Transferase

Molecular Weight
60 kDa

TMD
1

Sequence
MALDYLLLLLLASAVAAMEETLMDTRTATAELGWTANPASGWEEVSGYDENLNTIRTYQVCNVFEPNQNNWLLTTFINRRGAHRIY

Product Description

Expression Systems
HEK293

Tag
His tag at the C-terminus

Protein Format
Soluble

Form

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Liquid

Endotoxin

< 1.0 EU per 1 μg

Purity

> 95 % SDS-PAGE.

Buffer

pH: 7.4, Constituents: 95% PBS, 5% Glycerol (glycerin, glycerine)

Storage

Aliquot and store at -20°C or lower. For long term storage, we recommend to store at -70°C or lower. Avoid freeze/thaw cycles.

Target

Target Protein

EPHB1

Full Name

EPH receptor B1

Introduction

Ephrin receptors and their ligands, the ephrins, mediate numerous developmental processes, particularly in the nervous system. Based on their structures and sequence relationships, ephrins are divided into the ephrin-A (EFNA) class, which are anchored to the membrane by a glycosylphosphatidylinositol linkage, and the ephrin-B (EFNB) class, which are transmembrane proteins. The Eph family of receptors are divided into 2 groups based on the similarity of their extracellular domain sequences and their affinities for binding ephrin-A and ephrin-B ligands. Ephrin receptors make up the largest subgroup of the receptor tyrosine kinase (RTK) family. The protein encoded by this gene is a receptor for ephrin-B family members.

Alternative Names

EPHB1; ELK; NET; Hek6; EPHT2; ephrin type-B receptor 1; EK6; EPH-like kinase 6; eph tyrosine kinase 2; neuronally-expressed EPH-related tyrosine kinase; soluble EPHB1 variant 1; tyrosine-protein kinase receptor EPH-2; EPH receptor B1

Gene ID

2047

UniProt ID

P54762

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