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Product Information

MemDX™ Membrane Protein Human EPHB4 (EPH receptor B4) expressed in Sf9 for Antibody Discovery

Cat. No.: **MP0125Q**
This product is for research use only and is not intended for diagnostic use.

This product is a 57 kDa Human EPHB4 membrane protein expressed in Sf9. 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
EPHB4

Protein Length
Partial

Protein Class
Druggable Genome, Protein Kinase, Transmembrane

Molecular Weight
57 kDa

TMD
1

Sequence
MELRVLLCWASLAAALEETLLNTKLETADLKWVTFPQVDGQWEELSGLDEEQHSVRTYEVCDVQRAPGQAHWLRTGWVPRRGAV

Product Description

Expression Systems
Sf9

Tag
C-DDK

Form
Powder

Purity

> 80% as determined by SDS-PAGE and Coomassie blue staining

Buffer

50mM Tris-HCl, pH8.0, 100mM glycine, 10% glycerol

Storage

Store at +4°C for up to one week or several months at -80°C

Target

Target Protein

EPHB4

Full Name

EPH receptor B4

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 binds to ephrin-B2 and plays an essential role in vascular development.

Alternative Names

CMAVM2; HFASD; HTK; LMPHM7; MYK1; TYRO11; ephrin type-B receptor 4; ephrin receptor; EphB4; Hepatoma transmembrane kinase; Tyrosine-protein kinase TYRO11; soluble EPHB4 variant 1; soluble EPHB4 variant 2; soluble EPHB4 variant 3; tyrosine-protein kinase receptor HTK

Gene ID

2050

UniProt ID

P54760