

Product Information

MemDX™ Membrane Protein Human EPHB3 (EPH receptor B3) for Antibody Discovery

Cat. No.: **MP0129Q**

This product is for research use only and is not intended for diagnostic use.

This product is a 57.5 kDa Human EPHB3 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

EPHB3

Protein Length

Full-length

Protein Class

Druggable Genome, Protein Kinase, Transmembrane

Molecular Weight

57.5 kDa

TMD

1

Sequence

MARARPPPPSPPPGLLPLLPLLLLPLLLLPAAGCRALLETLMDTKWVTSELAWTSHPESGWEEVSGYDEAMNPIRTYQVCNVRES
DMSNQDVINAVEQDYRLPPPMDCPTALHQLMLDCWVRDRNLRPKFSQIVNTLDKLIRNAASLKVIASAQSGMSQPLLDRTVPDYTT

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**

EPHB3

Full Name

EPH receptor B3

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 two 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. This gene encodes a receptor for ephrin-B family members.

Alternative Names

EK2; ETK2; HEK2; TYRO6; ephrin type-B receptor 3; EPH-like tyrosine kinase 2; hEK2; embryonic kinase 2; human embryo kinase 2; EPH-like kinase 2; tyrosine-protein kinase TYRO6

Gene ID

[2049](#)

UniProt ID

[P54753](#)