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Product Information

MemDX™ Membrane Protein Human PCDHB5 (Protocadherin beta 5) for Antibody Discovery

Cat. No.: **MP0103Q**
This product is for research use only and is not intended for diagnostic use.

This product is a 83 kDa Human PCDHB5 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
PCDHB5

Protein Length
Full-length

Protein Class
Druggable Genome, Transmembrane

Molecular Weight
83 kDa

TMD
1

Sequence
METALAKTPQKRQVMFLAILLLLWEAGSEAVRYSIPEETESGYSVANLAKDLGLGVGELATRGARMHYKGNKELLQLDIKTGNLLLY

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

PCDHB5

Full Name

Protocadherin beta 5

Introduction

This gene is a member of the protocadherin beta gene cluster, one of three related gene clusters tandemly linked on chromosome five. The gene clusters demonstrate an unusual genomic organization similar to that of B-cell and T-cell receptor gene clusters. The beta cluster contains 16 genes and 3 pseudogenes, each encoding 6 extracellular cadherin domains and a cytoplasmic tail that deviates from others in the cadherin superfamily. The extracellular domains interact in a homophilic manner to specify differential cell-cell connections. Unlike the alpha and gamma clusters, the transcripts from these genes are made up of only one large exon, not sharing common 3' exons as expected. These neural cadherin-like cell adhesion proteins are integral plasma membrane proteins. Their specific functions are unknown but they most likely play a critical role in the establishment and function of specific cell-cell neural connections.

Alternative Names

protocadherin beta-5; PCDH-beta-5

Gene ID

26167

UniProt ID

Q9Y5E4

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