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Product Information

MemDX™ Membrane Protein Human EDDM3B (Epididymal protein 3B) for Antibody Discovery

Cat. No.: **MP1071J**
This product is for research use only and is not intended for diagnostic use.

This product is a 17.4 kDa Human EDDM3B membrane protein expressed in HEK293T. 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
EDDM3B

Protein Length
Full-length

Protein Class
Secreted Protein, Transmembrane

Molecular Weight
17.4 kDa

Sequence
MASSVKIWGTLLALLCILCTLLVQSKEVSWREFMKQHYLSPSREFREYKCDVLMRENEALKDKSSHMFIY
ISWYKIEHICTSDNWMDRFRNAYVWVQNPLKVLKCHQENSKNSYTESRSFNYIEFHCSMDGYVDSIEDLK
MVEPIGN

Product Description

Expression Systems
HEK293T

Tag
C-Myc/DDK

Form
Liquid

Purification
Anti-DDK affinity column followed by conventional chromatography steps

Purity

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

Buffer

25 mM Tris.HCl, pH 7.3, 100 mM glycine, 10% glycerol

Storage

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

Target

Target Protein

EDDM3B

Full Name

Epididymal protein 3B

Introduction

Testicular sperm are morphologically differentiated but are not progressively motile nor able to fertilize an egg. Post-testicular maturation requires exposure of spermatozoa to the microenvironment of the epididymal lumen. Spermatozoa undergo extensive changes in the epididymis, including enzymatic modifications, loss of pre-existing components and addition of new glycoproteins from epididymal secretions. These modifying proteins and enzymes are synthesized by epithelial cells lining the epididymal duct and secreted apically into the lumen, where they come into contact with, and may be absorbed onto, the sperm membranes. The proteins encoded by the genes in this cluster are synthesized and secreted by epididymal epithelial cells.

Alternative Names

EP3B; FAM12B; HE3-BETA; HE3B; RAM2

Gene ID

64184

UniProt ID

P56851

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