

# Product Information

## MemDX™ Antibody Discovery - Human HE4 / WFDC2 (31-124) Membrane Protein, Partial, - His -Avi tag, [Biotin]

Cat. No.: **MP0218F**

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

This membrane protein is Human HE4 / WFDC2 (31-124). It has been tested in SDS-PAGE. We provide this protein to facilitate your membrane protein antibody discovery and development.

### Product Specifications

#### Host Species

Human

#### Target Protein

HE4 / WFDC2

#### Protein Length

ECD

#### Molecular Weight

The protein has a calculated MW of 13.7 kDa. The protein migrates as 19-25 kDa under reducing (R) condition (SDS-PAGE) due to glycosylation.

#### Sequence

AA Glu 31 - Phe 124 (Accession # Q14508-1).

### Product Description

#### Application

SDS-PAGE

#### Expression Systems

HEK293

#### Tag

His tag at the C-terminus, followed by an Avi tag.

#### Protein Format

Soluble

#### Form

LYOPH

#### Reconstitution

Please see Certificate of Analysis for specific instructions.

**Endotoxin**

<1.0 EU/μg by the LAL method

**Conjugation**

Biotin

**Purity**

>90% as determined by SDS-PAGE.

**Buffer**

Lyophilized from 0.22 μm filtered solution in PBS, pH7.4. Normally trehalose is added as protectant before lyophilization.

**Storage**

Stored at lyophilized form at -20°C or lower. Avoid repeated freeze-thaw cycles.

The antigen can be stable for 12 months in lyophilized form after storage at -20°C to -80°C, 3 months under sterile conditions after reconstitution after storage at -80°C.

**Target****Target Protein**

HE4 / WFDC2

**Full Name**

WAP four-disulfide core domain 2

**Introduction**

This gene encodes a protein that is a member of the WFDC domain family. The WFDC domain, or WAP Signature motif, contains eight cysteines forming four disulfide bonds at the core of the protein, and functions as a protease inhibitor in many family members. This gene is expressed in pulmonary epithelial cells, and was also found to be expressed in some ovarian cancers. The encoded protein is a small secretory protein, which may be involved in sperm maturation.

**Alternative Names**

HE4; WAP5; EDDM4; dJ461P17.6; WAP four-disulfide core domain protein 2; WAP domain containing protein HE4-V4; epididymal protein 4; epididymal secretory protein E4; epididymis secretory sperm binding protein; epididymis-specific, whey-acidic protein type, four-disulfide core; human epididymis protein 4; major epididymis-specific protein E4; putative protease inhibitor WAP5

**Gene ID**

[10406](#)

**UniProt ID**

[Q14508](#)