

# Recombinant Human WFDC2 Protein, His-Avi-tagged, Biotinylated

**Cat. No.** WFDC2-3983H    **Lot. No.** (See product label)

## SPECIFICATION

|                             |                                                                                                                                                                                                                                  |
|-----------------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>Product Overview</b>     | Biotinylated Human HE4, His Tag, Avi Tag is expressed from HEK293 cells. It contains AA Glu 31 - Phe 124 (Accession # Q14508-1). This protein carries a polyhistidine tag at the C-terminus, followed by an Avi tag.             |
| <b>Species</b>              | Human                                                                                                                                                                                                                            |
| <b>Source</b>               | HEK293                                                                                                                                                                                                                           |
| <b>ProteinLength</b>        | 31-124 a.a.                                                                                                                                                                                                                      |
| <b>Predicted N Terminal</b> | Glu 31                                                                                                                                                                                                                           |
| <b>Form</b>                 | Lyophilized from 0.22 um filtered solution in PBS, pH7.4, 10% trehalose.                                                                                                                                                         |
| <b>Molecular Mass</b>       | The protein has a calculated MW of 13.7 kDa. The protein migrates as 19-25 KDa under reducing condition (SDS-PAGE) due to glycosylation.                                                                                         |
| <b>Endotoxin</b>            | < 1.0 EU per µg of the protein as determined by the LAL method.                                                                                                                                                                  |
| <b>Purity</b>               | >90% as determined by SDS-PAGE.                                                                                                                                                                                                  |
| <b>Characteristic</b>       | Biotinylation of this product is performed using Avitag technology. Briefly, the single lysine residue in the Avitag is enzymatically labeled with biotin. The biotin to protein ratio is 0.5-1 as determined by the HABA assay. |

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|-----------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>Stability</b>      | Samples are stable for up to twelve months from date of receipt at -70°C.                                                                                                                                                                                                                        |
| <b>Storage</b>        | For long term storage, the product should be stored at lyophilized state at -20°C or lower. Please avoid repeated freeze-thaw cycles. No activity loss is observed after storage at: 4-8°C for 12 months in lyophilized state; -70°C for 3 months under sterile conditions after reconstitution. |
| <b>Reconstitution</b> | It is recommended that sterile water be added to the vial to prepare a stock solution of 0.2 ug/ul. Centrifuge the vial at 4°C before opening to recover the entire contents.                                                                                                                    |
| <b>Conjugation</b>    | Biotin                                                                                                                                                                                                                                                                                           |

## GENE INFORMATION

|                        |                                                                                                                                                                                                                                                                                                                                                                     |
|------------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>Gene Name</b>       | WFDC2 WAP four-disulfide core domain 2 [ Homo sapiens ]                                                                                                                                                                                                                                                                                                             |
| <b>Official Symbol</b> | WFDC2                                                                                                                                                                                                                                                                                                                                                               |
| <b>Synonyms</b>        | WFDC2; WAP four-disulfide core domain 2; WAP four-disulfide core domain protein 2; dJ461P17.6; EDDM4; epididymal protein 4; HE4; WAP5; epididymal secretory protein E4; putative protease inhibitor WAP5; WAP domain containing protein HE4-V4; major epididymis-specific protein E4; epididymis-specific, whey-acidic protein type, four-disulfide core; MGC57529; |
| <b>Gene ID</b>         | 10406                                                                                                                                                                                                                                                                                                                                                               |
| <b>mRNA Refseq</b>     | NM_006103                                                                                                                                                                                                                                                                                                                                                           |
| <b>Protein Refseq</b>  | NP_006094                                                                                                                                                                                                                                                                                                                                                           |
| <b>UniProt ID</b>      | Q14508                                                                                                                                                                                                                                                                                                                                                              |

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