

# 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>	<a href="#">WFDC2 WAP four-disulfide core domain 2 [ Homo sapiens ]</a>
<b>Official Symbol</b>	<a href="#">WFDC2</a>
<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>	<a href="#">10406</a>
<b>mRNA Refseq</b>	<a href="#">NM_006103</a>
<b>Protein Refseq</b>	<a href="#">NP_006094</a>
<b>UniProt ID</b>	<a href="#">Q14508</a>

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