

Datasheet for ABIN7597410

**WFDC2 Protein (AA 31-124) (Fc Tag)**[Go to Product page](#)

## Overview

Quantity:	10 µg
Target:	WFDC2
Protein Characteristics:	AA 31-124
Origin:	Human
Source:	HEK-293 Cells
Protein Type:	Recombinant
Purification tag / Conjugate:	This WFDC2 protein is labelled with Fc Tag.

## Product Details

Purpose:	Recombinant human HE4 Protein with C-terminal human Fc tag
Sequence:	HE4(Glu31-Phe124) hFc(Glu99-Ala330)
Purity:	The purity of the protein is greater than 95 % as determined by SDS-PAGE and Coomassie blue staining.

## Target Details

Target:	WFDC2
Alternative Name:	HE4 ( <a href="#">WFDC2 Products</a> )
Background:	<p>WFDC2, WAP5, EDDM4, dJ461P17.6</p> <p>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</p>

## Target Details

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.  
[provided by RefSeq, Jul 2008]

Molecular Weight: predicted molecular mass of 36.2 kDa after removal of the signal peptide. The apparent molecular mass of HE4-hFc is 35-55 kDa due to glycosylation.

UniProt: [Q14508](#)

## Application Details

Application Notes: Extracellular Domain Proteins (ECD) can be used as:

- Immunogens for antibody drug development
- Reagents used for CAR-T positive cell monitoring
- Reagents for antibody screening and functional testing
- Reagents for antibody affinity measurement

Comment: The protein was made using HEK293 mammalian cell secretion expression system to ensure the close-to-native structures and post-translational modifications of the target protein.

Restrictions: For Research Use only

## Handling

Format: Lyophilized

Buffer: Lyophilized from sterile PBS, pH 7.4. Normally 5 % – 8% trehalose is added as protectants before lyophilization.

Storage: -20 °C,-80 °C

Storage Comment: Store at -20°C to -80°C for 12 months in lyophilized form. After reconstitution, if not intended for use within a month, aliquot and store at -80°C (Avoid repeated freezing and thawing).  
Lyophilized proteins are shipped at ambient temperature.

Expiry Date: 12 months