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## Product Data Sheet

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Product Name: WFDC2 Human  
 Cat. No.: GP24932  
 Batch No.: 1

### Product Data

Purity	>98%	Source	Escherichia Coli.
Physical Appearance	solid	Shipping Condition	Shipped at Room temp.
Synonyms	WAP four-disulfide core domain protein 2; Epididymal secretory protein E4; Major epididymis-specific protein E4; Putative protease inhibitor WAP5; WFDC2; HE4; WAP5; EDDM4; dj461P17.6.		
Amino Acid Sequence	MKHHHHHHASEKTGVCPELQ ADQNCTQECV SDSECADNLK CCSAGCATFC SLPNDKEGSC PQVNINFPQL GLCRDQCQVD SQCPGQMKCC RNGCGKVSCV TPNF.		
Solubility	It is recommended to add 200µl deionized water to prepare a working stock solution of approximately 0.5mg/ml and let the lyophilized pellet dissolve completely. WFDC2 is not sterile! Please filter the product by an appropriate sterile filter before using it in the cell culture.		
Formulation	WFDC2 filtered (0.4µm) and lyophilized from 0.5mg/ml in PBS buffer, pH 7.5.		

### Introduction

WAP four-disulfide core domain protein 2 (WFDC2) is a protease inhibitor, which belongs to the WFDC domain family. WFDC2 is effective with a broad range of proteases, e.g. aspartic, serine or thiol proteases. WFDC2 is expressed in several normal tissues, including the male reproductive system, regions of the respiratory tract and nasopharynx. WFDC2 may be involved in sperm maturation. WFDC2 is also highly expressed in a number of tumors cells lines, such ovarian, colon, breast, lung and renal cells lines.

### Stability

Store lyophilized protein at -20°C . Aliquot the product after reconstitution to avoid repeated freezing/thawing cycles. Reconstituted protein can be stored at 4°C for a

**Caution: Product has not been fully validated for medical applications. For research use only.**

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limited period of time; it does not show any change after two weeks at 4°C .

### Background

WFDC2 Human Recombinant produced in E.Coli is a single, non-glycosylated, polypeptide chain (31-124) containing 104 amino acids including a 10 a.a N-terminal His tag. The total molecular mass is 11.3kDa (calculated).

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