

32-5171: Recombinant Human WAP Four-Disulfide Core Domain 2

Alternative Name : 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.

Description

Source : Escherichia Coli. 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). 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.

Product Info

Amount : 10 µg
Purification : Greater than 90.0% as determined by SDS-PAGE.
Content : WFDC2 filtered (0.4µm) and lyophilized from 0.5mg/ml in PBS buffer, pH 7.5.
Storage condition : 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 limited period of time; it does not show any change after two weeks at 4°C.
Amino Acid : MKHHHHHHASEKTGVCPQLQ ADQNCTQECV SDSECADNLK CCSAGCATFC SLPNDKEGSC PQVNINFPQL GLCRDQCQVD SQCPGQMKCC RINGCGKVSCV TPNF.

Application Note

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.