



Recombinant Human WAP four-disulfide core domain protein 1 (WFDC1)

Product Code	CSB-EP867197HU-B
Abbreviation	WFDC1
Storage	The shelf life is related to many factors, storage state, buffer ingredients, storage temperature and the stability of the protein itself. Generally, the shelf life of liquid form is 6 months at -20°C/-80°C. The shelf life of lyophilized form is 12 months at -20°C/-80°C.
Uniprot No.	Q9HC57
Product Type	Recombinant Protein
Immunogen Species	Homo sapiens (Human)
Purity	>85% (SDS-PAGE)
Sequence	KNIWKRALP ARLAEKSRAE EAGAPGGPRQ PRADRCPPPP RTLPPGACQA ARCQADSECP RHRRCCYNGC AYACLEAVPP PPVLDWLVQP KPRWLGGNGW LLDGPEEVQLQ AEACSTTEDG AEPLLCPSGY ECHILSPGDV AEGIPNRGQC VKQRRQADGR ILRHKLYKEY PEGDSKNVAE PGRGQQKHFQ
Source	E.coli
Target Names	WFDC1
Protein Names	Recommended name: WAP four-disulfide core domain protein 1 Alternative name(s): Prostate stromal protein ps20 ps20 growth inhibitor
Expression Region	32-220
Notes	Repeated freezing and thawing is not recommended. Store working aliquots at 4°C for up to one week.
Tag Info	Tag type will be determined during the manufacturing process.
Protein Length	Full Length of Mature Protein
Target Details	This gene encodes a member of the WAP-type four disulfide core domain family. The WAP-type four-disulfide core 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. The encoded protein shares 81% amino acid identity with the rat ps20 protein, which was originally identified as a secreted growth inhibitor. This gene is mapped to chromosome 16q24, an area of frequent loss of heterozygosity in cancers, including prostate, breast and hepatocellular cancers and Wilms tumor. Owing to its location and a possible growth inhibitory property of its gene product, this gene is suggested to be a tumor suppressor gene.
Reconstitution	We recommend that this vial be briefly centrifuged prior to opening to bring the contents to the bottom. Please reconstitute protein in deionized sterile water to a concentration of 0.1-1.0 mg/mL. We recommend to add 5-50% of glycerol (final concentration) and aliquot for long-term storage at -20°C/-80°C. Our default final



concentration of glycerol is 50%. Customers could use it as reference.

Shelf Life

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