

Recombinant Human WFDC1 Protein, Myc/DDK-tagged, C13 and N15-labeled

Cat. No. WFDC1-4413H **Lot. No.** (See product label)

SPECIFICATION

Product Overview	WFDC1 MS Standard C13 and N15-labeled recombinant protein (NP_067020) with a C-terminal MYC/DDK tag, was expressed in HEK293 cells.
Species	Human
Source	HEK293
Description	This gene encodes a member of the WAP-type four disulfide core domain family. The WAP-type four-disulfide core domain 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 mapped to chromosome 16q24, an area of frequent loss of heterozygosity in cancers, including prostate, breast and hepatocellular cancers and Wilms' tumor. This gene is downregulated in many cancer types and may be involved in the inhibition of cell proliferation. The encoded protein may also play a role in the susceptibility of certain CD4 memory T cells to human immunodeficiency virus infection. Alternative splicing results in multiple transcript variants.
Molecular Mass	20.6 kDa
AA Sequence	MPLTGVGPGSCRRQIIRALCLLLLLHAGSAKNIWKRALPARLAEKSRAEEAGAPGG PRQPRADRCPPPPRTLPPGACQAARCQADSECPRHRRCCYNGCAYACLEAVPPP PVLDWLVQPKPRWLGGNGWLLDGPEEVLQAEACSTTEDGAEP LLCPSGYECHILS PGDVAEGIPNRGQCVCQRRQADGRILRHKLYKEYPEGDSKNVAEPGRGQQKHFQT

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RTRPLEQKLISEEDLAANDILDYKDDDDKV

Purity	> 80% as determined by SDS-PAGE and Coomassie blue staining
Stability	Stable for 3 months from receipt of products under proper storage and handling conditions.
Storage	Store at -80 centigrade. Avoid repeated freeze-thaw cycles.
Concentration	50 µg/mL as determined by BCA
Storage Buffer	100 mM glycine, 25 mM Tris-HCl, pH 7.3.

GENE INFORMATION

Gene Name	WFDC1 WAP four-disulfide core domain 1 [Homo sapiens (human)]
Official Symbol	WFDC1
Synonyms	WFDC1; WAP four-disulfide core domain 1; WAP four-disulfide core domain protein 1; PS20; ps20 growth inhibitor; prostate stromal protein ps20; WAP four-disulfide core domain 1 homolog;
Gene ID	58189
mRNA Refseq	NM_021197
Protein Refseq	NP_067020
MIM	605322

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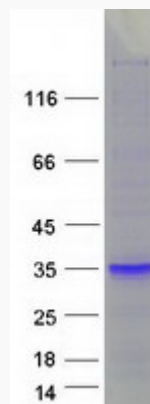
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UniProt ID

Q9HC57

SDS-PAGE

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