

Full-Length

# WFDC1 (Human) Recombinant Protein (P01)

Catalog # H00058189-P01

Size 50 ug

## Specification

|                               |  |
|-------------------------------|--|
| Product Description           | Human WFDC1 full-length ORF (BAC11377.1, 1 a.a. - 220 a.a.) recombinant protein with GST-tag at N-terminal.  |
| Sequence                      | MPLTGVGPGSCRRQIIRALCLLLLLHAGSAKDIWKRALPARLAEKSRAEEAGAPGGPRQPRADR<br>CPPPRTLPPGACRAARCQADSECPRHRRCCYNGCAYACLEAVPPPVLDWLVQPKPRWLGG<br>NGWLLDGPEEVLQAEACSTTEDGAEP LLCPSGYECHILSPGDVAEGIPNRGQC VKQRRQADGRI<br>LRHKLYKEYPEGDSKNVAEPGRGQKHFQ |
| Host                          | Wheat Germ (in vitro)  |
| Theoretical MW (kDa)          | 50.4   |
| Interspecies Antigen Sequence | Mouse (82); Rat (81)   |
| Preparation Method            | <a href="#">in vitro wheat germ expression system</a>  |
| Purification                  | Glutathione Sepharose 4 Fast Flow  |
| Storage Buffer                | 50 mM Tris-HCl, 10 mM reduced Glutathione, pH=8.0 in the elution buffer.   |
| Storage Instruction           | Store at -80°C. Aliquot to avoid repeated freezing and thawing.  |
| Note                          | Best use within three months from the date of receipt of this protein.   |

## Applications

- Enzyme-linked Immunoabsorbent Assay
- Western Blot (Recombinant protein)
- Antibody Production

- Protein Array

## Gene Info — WFDC1

Entrez GeneID [58189](#)

GeneBank Accession# [AK075061.1](#)

Protein Accession# [BAC11377.1](#)

Gene Name WFDC1

Gene Alias PS20

Gene Description WAP four-disulfide core domain 1

Omim ID [605322](#)

Gene Ontology [Hyperlink](#)

**Gene Summary** 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. [provided by RefSeq]

**Other Designations** WAP four-disulfide core domain 1 homolog|prostate stromal protein ps20

## Disease

- [Arthritis](#)
- [Genetic Predisposition to Disease](#)