

RPCB1822

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**Product Information**

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|---------------------|----------|--------------------|-------|--------------|------|
| <b>Product SKU:</b> | RPCB1822 | <b>Gene ID:</b>    | 10406 | <b>Size:</b> | 10µg |
| <b>Tag:</b>         | C-hFc    | <b>Reactivity:</b> | Human |              |      |

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**Additional Information**

|                         |                    |                   |        |
|-------------------------|--------------------|-------------------|--------|
| <b>Expression Host:</b> | HEK293 cells       | <b>Swissprot:</b> | Q14508 |
| <b>Purity:</b>          | > 97% by SDS-PAGE. |                   |        |

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**Protein Information**

**Background:** WAP four-disulfide core domain protein 2, also known as Epididymal secretory protein E4, Major epididymis-specific protein E4, Putative protease inhibitor WAP5, WFDC2 and HE4, is a secreted protein that contains two WAP domains. WFDC2 / HE4 is a member of a family of stable 4-disulfide core proteins that are secreted at high levels. It is expressed in a number of normal tissues, including male reproductive system, regions of the respiratory tract and nasopharynx. It is highly expressed in a number of tumors cells lines, such ovarian, colon, breast, lung and renal cells lines. Initially described as being exclusively transcribed in the epididymis. WFDC2 may be a component of the innate immune defences of the lung, nasal and oral cavities and suggest that WFDC2 functions in concert with related WAP domain containing proteins in epithelial host defence. WFDC2 re-expression in lung carcinomas may prove to be associated with tumour type and should be studied in further detail. Mammary gland expression of tammar WFDC2 during the course of lactation showed WFDC2 was elevated during pregnancy, reduced in early lactation and absent in mid-late lactation. WFDC2 / HE4 can undergo a complex series of alternative splicing events that can potentially yield five distinct WAP domain containing protein isoforms.

**Protein Description:** High quality, high purity and low endotoxin recombinant Recombinant Human WFDC2/HE4/WAP5 Protein , tested reactivity in HEK293 cells and has been validated in SDS-PAGE.100% guaranteed.

**Endotoxin:** < 0.01EU/μg

**Formulation:** Lyophilized from a 0.22 μm filtered solution of PBS, pH 7.4.

**Storage:** Store at -20°C.Store the lyophilized protein at -20°C to -80 °C up to 1 year from the date of receipt.After reconstitution, the protein solution is stable at -20°C for 3 months, at 2-8°C for up to 1 week.

**Contact Details | Dublin, Ireland**

**Email:** [techsupport@assaygenie.com](mailto:techsupport@assaygenie.com) | **Web:** [www.assaygenie.com](http://www.assaygenie.com)

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