

Recombinant Human HE4, GST-tagged

Cat. No. HE4-13720H **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant Human HE4 protein, fused to GST-tag, was expressed in E.coli and purified by GSH-sepharose.
Species	Human
Source	E.coli
ProteinLength	21-124a.a.
Description	This gene encodes a protein that is a member of the WFDC domain family. The WFDC 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. This gene is expressed in pulmonary epithelial cells, and was also found to be expressed in some ovarian cancers. The encoded protein is a small secretory protein, which may be involved in sperm maturation.
Storage	The protein is stored in PBS buffer at -20°C. Avoid repeated freezing and thawing cycles.
Storage Buffer	1M PBS (58mM Na ₂ HPO ₄ , 17mM NaH ₂ PO ₄ , 68mM NaCl, pH8.) added with 100mM GSH and 1% Triton X-100, 15% glycerol.

GENE INFORMATION

Gene Name	WFDC2 WAP four-disulfide core domain 2 [Homo sapiens]
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Official Symbol	WFDC2
Synonyms	WFDC2; WAP four-disulfide core domain 2; WAP four-disulfide core domain protein 2; dJ461P17.6; EDDM4; epididymal protein 4; HE4; WAP5; epididymal secretory protein E4; putative protease inhibitor WAP5; WAP domain containing protein HE4-V4; major epididymis-specific protein E4; epididymis-specific, whey-acidic protein type, four-disulfide core; MGC57529;
Gene ID	10406
mRNA Refseq	NM_006103
Protein Refseq	NP_006094
UniProt ID	Q14508
Chromosome Location	20q12-q13.2
Function	endopeptidase inhibitor activity; serine-type endopeptidase inhibitor activity;

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