Full-Length
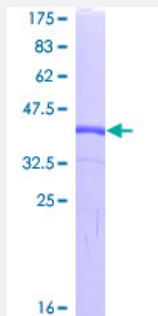
WFDC2 (Human) Recombinant Protein (P01)

Catalog #　H00010406-P01　　Size　25 ug, 10 ug

Applications

Specification

Product Description	Human WFDC2 full-length ORF (AAH46106.1, 31 a.a. - 124 a.a.) recombinant protein with GST-tag at N-terminal.
Sequence	EKTGVCPELQADQNCTQECVSDSECADNLKCCSAGCATFCSLPNDKEGSCPQVNINFPQLGLC RDQCQVDSQCPGQMKCCRNGCGKVSCVTPNF
Host	Wheat Germ (in vitro)
Theoretical MW (kDa)	36.08
Interspecies Antigen Sequence	Mouse (44); Rat (43)
Preparation Method	*in vitro* wheat germ expression system
Purification	Glutathione Sepharose 4 Fast Flow
Quality Control Testing	12.5% SDS-PAGE Stained with Coomassie Blue.
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 — WFDC2

Entrez GeneID	10406
GeneBank Accession#	BC046106
Protein Accession#	AAH46106.1
Gene Name	WFDC2
Gene Alias	HE4, MGC57529, WAP5, dJ461P17.6
Gene Description	WAP four-disulfide core domain 2
Gene Ontology	Hyperlink
Gene Summary	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. [provided by RefSeq
Other Designations	OTTHUMP00000031141|WAP domain containing protein HE4-V4|epididymal secretory protein E4|epididymis-specific, whey-acidic protein type, four-disulfide core|major epididymis-specific protein E4

Publication Reference

- [Selection of DNA aptamers for ovarian cancer biomarker HE4 using CE-SELEX and high-throughput sequencing.](#)

Eaton RM, Shallcross JA, Mael LE, Mears KS, Minkoff L, Scoville DJ, Whelan RJ.

Analytical and Bioanalytical Chemistry 2015 Sep; 407(23):6965.

Application：Func, FAM-labeled aptamer