HE4/WFDC2 Protein, Canine (HEK293, Fc)

Cat. No.:	HY-P75803
Synonyms:	WAP four-disulfide core domain protein 2; CE4; WFDC2
Species:	Canine
Source:	HEK293
Accession:	Q28894/NP_001003241.1 (G28-F124)
Gene ID:	403919
Molecular Weight:	Approximately 43-50 kDa due to the glycosylation

PROPERTIES

AA Sequence	G E V E K T G V C P Q L Q A D L N C T Q E C V S D A Q C A D N L K C C Q A G C A T I C H L P N E K E G S C P Q V N T D F P Q L G L C Q D Q C Q V D S H C P G L L K C C Y N G C G K V S C V T P I F
Appearance	Lyophilized powder.
Formulation	Lyophilized from a 0.2 μm filtered solution of PBS, pH 7.4.
Endotoxin Level	<1 EU/μg, determined by LAL method.
Reconsititution	It is not recommended to reconstitute to a concentration less than 100 μg/mL in ddH_2O. For long term storage it is recommended to add a carrier protein (0.1% BSA, 5% HSA, 10% FBS or 5% Trehalose).
Storage & Stability	Stored at -20°C for 2 years. After reconstitution, it is stable at 4°C for 1 week or -20°C for longer (with carrier protein). It is recommended to freeze aliquots at -20°C or -80°C for extended storage.
Shipping	Room temperature in continental US; may vary elsewhere.

DESCRIPTION

Background	HE4/WFDC2 Protein serves as a broad-spectrum protease inhibitor, potentially contributing to diverse cellular processes. Its putative role in sperm maturation suggests involvement in reproductive mechanisms. Structurally, it forms a homotrimer through disulfide linkages, highlighting its oligomeric nature. The multifaceted function of HE4/WFDC2 in protease regulation and potential impact on reproductive processes underscores its significance in cellular homeostasis.

Caution: Product has not been fully validated for medical applications. For research use only.

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