Datasheet for ABIN2181198

WFDC2 Protein (AA 31-124) (His tag)

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Overview

Quantity:	100 µg
Target:	WFDC2
Protein Characteristics:	AA 31-124
Origin:	Human
Source:	HEK-293 Cells
Protein Type:	Recombinant
Purification tag / Conjugate:	This WFDC2 protein is labelled with His tag.

Product Details

Sequence:	AA 31-124
Characteristics:	This protein carries a polyhistidine tag at the C-terminus. The protein has a calculated MW of 10.9 kDa. The protein migrates as 19 kDa and 22-26 kDa under reducing (R) condition (SDS-PAGE) due to different glycosylation.
Purity:	>95 % as determined by SDS-PAGE.
Sterility:	0.22 µm filtered
Endotoxin Level:	Less than 1.0 EU per µg by the LAL method.

Target Details

Target:	WFDC2
Alternative Name:	HE4 (WFDC2 Products)

Target Details

Background:	Human Epididymis Protein 4 (HE4) is also known as WAP four-disulfide core domain protein 2 (WFDC2), Epididymal secretory protein E4, Major epididymis-specific protein E4, Putative protease inhibitor WAP5, is a member of the WFDC domain family. HE4 / WFDC2 is expressed in pulmonary epithelial cells, and was also found to be expressed in some ovarian cancers. 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. HE4 is also a small secretory protein, which may be involved in sperm maturation.
Molecular Weight:	10.9 kDa

Application Details

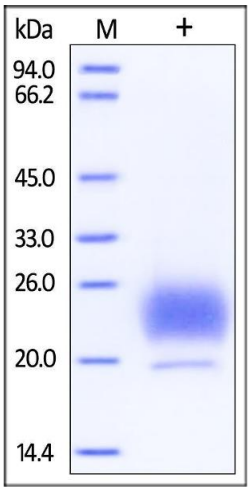
Restrictions:	For Research Use only

Handling

Format:	Lyophilized
Buffer:	PBS, pH 7.4
Handling Advice:	Please avoid repeated freeze-thaw cycles.
Storage:	-20 °C
Storage Comment:	No activity loss was observed after storage at: In lyophilized state for 1 year (4 °C), After reconstitution under sterile conditions for 3 months (-70 °C).

Publications

Product cited in:	Mettler Izquierdo, Varela, Park, Collarini, Lu, Pramanick, Rucker, Lopalco, Etches, Harriman: " High-efficiency antibody discovery achieved with multiplexed microscopy." in: **Microscopy (Oxford, England)**, Vol. 65, Issue 4, pp. 341-52, (2018) (PubMed).



SDS-PAGE

Image 1. Human HE4, His Tag on SDS-PAGE under reducing (R) condition. The gel was stained overnight with Coomassie Blue. The purity of the protein is greater than 95%.