

Recombinant Human WAP5/WFDC2/HE4 Protein

Catalog No.: RP00132 **Recombinant**

Sequence Information

Species	Gene ID	Swiss Prot
Human	10406	Q14508

Tags

C-His

Synonyms

EDDM4; HE4; WAP5;
dJ461P17.6;WFDC2;HE4;WAP5;dJ461P17.
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Product Information

Source	Purification
HEK293 cells	> 95% by SDS- PAGE.

Calculated MW	Observed MW
10.88 kDa	23-25 kDa

Endotoxin

< 0.1 EU/μg of the protein by LAL method.

Formulation

Lyophilized from a 0.22 μm filtered solution of PBS, pH 7.4. Contact us for customized product form or formulation.

Reconstitution

Centrifuge the vial before opening. Reconstitute to a concentration of 0.1-0.5 mg/mL in sterile distilled water. Avoid vortex or vigorously pipetting the protein. For long term storage, it is recommended to add a carrier protein or stabilizer (e.g. 0.1% BSA, 5% HSA, 10% FBS or 5% Trehalose), and aliquot the reconstituted protein solution to minimize free-thaw cycles.

Contact

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Background

The 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.

Basic Information

Description

Recombinant Human WAP5/WFDC2/HE4 Protein is produced by HEK293 expression system. The target protein is expressed with sequence (Glu31-Phe124) of human WAP5/WFDC2/HE4 (Accession #NP_006094.3) fused with a 6xHis tag at the C-terminus.

Bio-Activity

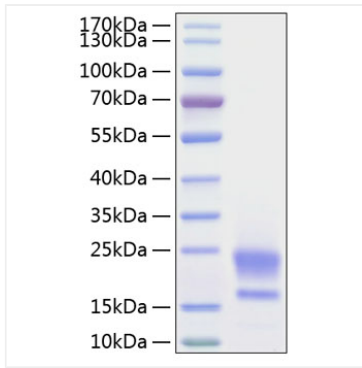
Storage

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.

Avoid repeated freeze/thaw cycles.

Validation Data



Recombinant Human WAP5/WFDC2/HE4 Protein was determined by SDS-PAGE with Coomassie Blue, showing bands at 19 kDa and 23-25 kDa.