Recombinant Human WAP5/WFDC2/HE4 Protein

Catalog No.: RP00132

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Sequence Information

Species
Human

Gene ID
10406

Swiss Prot
Q14508

Tags
C-His

Synonyms
EDDM4, HE4, WAP5, dJ461P17.6, WFDC2,HE4,WAP5,dJ461P17.6

Product Information

Source
HEK293 cells

Purification
≥ 95 % as determined by SDS-PAGE.

Calculated MW
10.88 kDa

Observed MW
15-25 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 stablizer (e.g. 0.1% BSA, 5% HSA, 10% FBS or 5% Trehalose), and aliquot the reconstituted protein solution to minimize free-thaw cycles.

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 6×His tag at the C-terminus.

Activity

Shipping
Lyophilized proteins are shipped at ambient temperature.
Liquid proteins are shipped at frozen temperature with dry ice.
Upon receipt, store it immediately at the temperature recommended below.

Storage
Store at -20℃

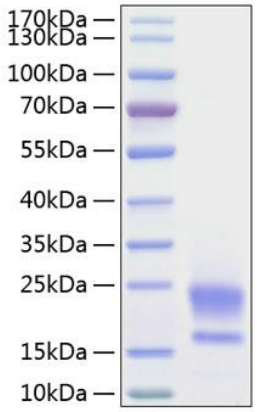
Operational Notes
For your safety and health, please wear a lab coat and disposable gloves for handling.

Contact

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Validation Data



Recombinant Human WAP5/WFDC2/HE4 Protein was determined by SDS-PAGE under reducing conditions with Coomassie Blue.