

WAP5/WFDC2/HE4 Recombinant Protein | WAP5 recombinant protein

Recombinant Human WAP5/WFDC2/HE4 Protein

CATALOG #
AAA281431

HOST
HEK293 Cells

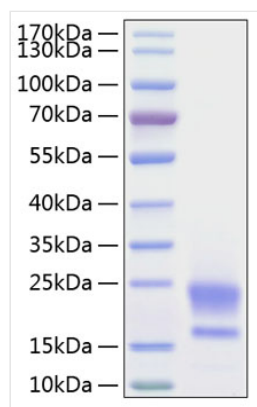
PRODUCT SYNONYMS

WAP5/WFDC2/HE4; Recombinant Human WAP5/WFDC2/HE4 Protein; dJ461P17.6; EDDM4; HE4; WAP5; WAP5 recombinant protein

PRODUCT SPECIFICATIONS

Host	HEK293 Cells
Purity/Purification	>95% by SDS-PAGE.
Form/Format	Lyophilized from a 0.22 um filtered solution of PBS, pH 7.4.
Sequence	EKTGVCPELQ ADQNCTQECV SDSECADNLK CCSAGCATFC SLPNDKEGSC PQVNINFPQL GLCRDQCQVD SQCPGQMKCC RNGCGKVSCV TPNF
Sequence Length	124
Species	Human
Endotoxin	< 0.1 EU/ug of the protein by LAL method
Tag	C-his
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.
Preparation and Storage	Store the lyophilized protein at -20°C to -80°C for long term. 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.

IMAGES



SDS-PAGE

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

ADDITIONAL INFORMATION

Related Product Information for WAP5 recombinant protein	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. 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.
Product Categories/Family for WAP5 recombinant protein	Other Recombinant Protein

NCBI AND UNIPROT INFORMATION

NCBI GI #	56699495
NCBI GeneID	10406
NCBI Accession #	NP_006094.3
NCBI GenBank Nucleotide #	NP_006094.3
UniProt Accession #	Q14508
NCBI Official Full Name	WAP four-disulfide core domain protein 2
NCBI Official Synonym Full Names	WAP four-disulfide core domain 2
NCBI Official Symbol	WFDC2
NCBI Official Synonym Symbols	HE4; WAP5; EDDM4; dJ461P17.6
NCBI Protein Information	WAP four-disulfide core domain protein 2
UniProt Protein Name	WAP four-disulfide core domain protein 2
UniProt Gene Name	WFDC2
UniProt Synonym Gene Names	HE4; WAP5
UniProt Entry Name	WFDC2_HUMAN

For Research Use Only. Not for use in diagnostic or therapeutic procedures. Small volumes of product may become entrapped in the seal of the vial during shipment and storage; if necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the cap.