

Protein HAPLESS 2 (HAP2) Recombinant Protein | HAP2 recombinant protein

Recombinant Arabidopsis thaliana Protein HAPLESS 2 (HAP2)-VLPs

CATALOG # AAA279278	HOST Mammalian cell
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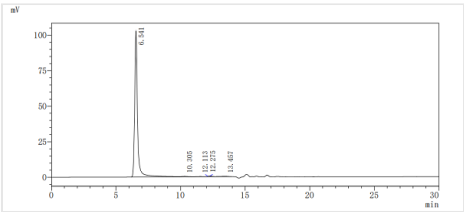
PRODUCT SYNONYMS

Protein HAPLESS 2 (HAP2); Recombinant Arabidopsis thaliana Protein HAPLESS 2 (HAP2)-VLPs; GENERATIVE CELL SPECIFIC 1; HAP2 recombinant protein

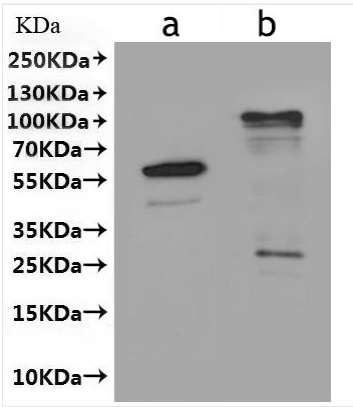
PRODUCT SPECIFICATIONS

Host	Mammalian cell
Purity/Purification	The purity information is not available for VLPs proteins.
Form/Format	Lyophilized powder Lyophilized from a 0.2 um filtered PBS, 6% Trehalose, pH 7.4.
Sequence Positions	25-705aa; Full Length of Mature Protein
Sequence	IQILSKSKLE KCEKTSDSGN LNCSTKIVLN LAVPSGSSGG EASIVAEIVE VEDNSSSNMQ TVRIPPVITV NKSAAYALYD LTYIRDVPYK PQEYHVTTRK CEHDAGPDIV QICERLRDEK GNVLEQTQPI CCPCGPQRRM PSSCGDIFDK MIKGKANTAH CLRFPGDWFH VFGIGQPSLG FSVRVELKTG TRVSEVIIGP ENRTATANDN FLKVNIGDF GGYTSIPSFE DFYLVIPREA AEAGQPGSLG ANYSMWMLLE RVRFTLDGLE CNKIGVGIEA FNTQPNFCSS PYWSCLNQL WNFRESINR IDRHLPLYG LEGRFERINQ HPNAGPHSFS IGVETLNTN LMIELRADDI EYVFQRSPGK IINIAPTFE ALTQFGVAHV IIKNTGEVEA SYSLTFDCSK GVAFVEEQFF IIKPKAVTTR SFKLYPTKDQ AAKYICTAIL KDSQFSEVDR AECQFSTTAT VLDNGTQVTN PFQIPETQPK GFFDSIRILW TKIINGLVDF ITGDTCRNKC SSFFDFSCH I QYVCLSWVM FGLLLALFPI TCLLLWLLHQ KGLFDPCYDW WEDHFDLDHH RRLPSRADV VNRHHHHHKK RHHHNNHRRR HQRHKKHHGQ DDDVLQKMML ERDHSDSHYH HQLHRVHKDS KQKQRRRAKH GIVLPRDVHV ERQRKQRLRE S
Species	Arabidopsis thaliana (Mouse-ear cress)
Tag	N-terminal Myc-tagged and C-terminal DYKDDDDK-tagged (This tag can be tested only under denaturing conditions)
Research Area	Others
Transmembrane Domain	1TM
Preparation and Storage	The shelf life is related to many factors, storage state, buffer ingredients, storage temperature and the stability of the protein itself. Generally, the shelf life of liquid form is 6 months at -20 degree C/-80 degree C. The shelf life of lyophilized form is 12 months at -20 degree C/-80 degree C. We recommend that this vial be briefly centrifuged prior to opening to bring the contents to the bottom. Please reconstitute protein in deionized sterile water to a concentration of 0.1-1.0 mg/mL. Aliquot for long-term storage at -80 degree C. Solubilize for 60 minutes at room temperature with occasional gentle mixing. Avoid vigorous shaking or vortexing. The VLPs are expressed from human 293 cells (HEK293). Mix the sample gently by repeatedly pipetting it up and down. Do not vortex. Repeated freezing and thawing is not recommended. Store the protein at -20 degree C/-80 degree C upon receiving it, and ensure to avoid repeated freezing and thawing, otherwise, it will affect the protein activity. The immunization strategy should be optimized (antigen dose, regimen and adjuvant).

IMAGES



Application Data
The purity of VLPs was greater than 95% as determined by SEC-HPLC.



Application Data
detected by Mouse anti-6*His monoclonal antibody.

ADDITIONAL INFORMATION

Related Product Information for HAP2 recombinant protein	Required for male fertility. Plays a role in pollen tube guidance and successful gamete attachment. Essential for the fusion of gametes during double fertilization, where one male gamete fuses with the egg to produce a zygote, and another male gamete fuses with the central cell to produce the endosperm. Mediates the fusion of cell membranes. Not required for pollen tube outgrowth.
Product Categories/Family for HAP2 recombinant protein	MP-VLP Transmembrane Protein & In Stock Protein

NCBI AND UNIPROT INFORMATION

NCBI GI #	145340119
NCBI GeneID	826777
NCBI Accession #	NP_192909.2
NCBI GenBank Nucleotide #	NM_117241.2
UniProt Accession #	F4JP36; Q1AP31; Q2PGG6; Q9T0D9
Molecular Weight	80,505 Da
NCBI Official Full Name	hapless 2
NCBI Official Symbol	HAP2
NCBI Official Synonym Symbols	GCS1; GENERATIVE CELL-SPECIFIC 1; HAPLESS 2; T5C23.150; T5C23_150
NCBI Protein Information	hapless 2
UniProt Protein Name	Protein HAPLESS 2
UniProt Gene Name	HAP2

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.