

VPS25 Blocking Peptide(C-term)
Synthetic peptide
Catalog # BP19683b**Specification**

VPS25 Blocking Peptide(C-term) - Product Information

Primary Accession [O9BRG1](#)
Other Accession [O5E9A6](#), [NP_115729.1](#)

VPS25 Blocking Peptide(C-term) - Additional Information

Gene ID 84313

Other Names

Vacuolar protein-sorting-associated protein 25, hVps25, Dermal papilla-derived protein 9, ELL-associated protein of 20 kDa, ESCRT-II complex subunit VPS25, VPS25, DERP9, EAP20

Target/Specificity

The synthetic peptide sequence is selected from aa 131-144 of HUMAN VPS25

Format

Peptides are lyophilized in a solid powder format. Peptides can be reconstituted in solution using the appropriate buffer as needed.

Storage

Maintain refrigerated at 2-8°C for up to 6 months. For long term storage store at -20°C.

Precautions

This product is for research use only. Not for use in diagnostic or therapeutic procedures.

VPS25 Blocking Peptide(C-term) - Protein Information

Name VPS25

Synonyms DERP9, EAP20

Function

Component of the ESCRT-II complex (endosomal sorting complex required for transport II), which is required for multivesicular body (MVB) formation and sorting of endosomal cargo proteins into MVBs. The MVB pathway mediates delivery of transmembrane proteins into the lumen of the lysosome for degradation. The ESCRT-II complex is probably involved in the recruitment of the ESCRT-III complex. The ESCRT-II complex may also play a role in transcription regulation, possibly via its interaction with ELL. The ESCRT-II complex may be involved in facilitating the budding of certain RNA viruses.

Cellular Location

Cytoplasm. Endosome membrane. Nucleus, nucleoplasm. Note=Distributes diffusely throughout the cytoplasm and nucleoplasm, but exhibits a punctate distribution on coexpression with CHMP6

Tissue Location

Expressed at the mRNA level in kidney, liver, pancreas, and placenta. Lower levels of expression are found in heart, skeletal muscle, brain and lung.

VPS25 Blocking Peptide(C-term) - Protocols

Provided below are standard protocols that you may find useful for product applications.

- [Blocking Peptides](#)

VPS25 Blocking Peptide(C-term) - Images**VPS25 Blocking Peptide(C-term) - Background**

VPS25, VPS36 (MIM 610903), and SNF8 (MIM 610904) form ESCRT-II (endosomal sorting complex required for transport II), a complex involved in endocytosis of ubiquitinated membrane proteins. VPS25, VPS36, and SNF8 are also associated in a multiprotein complex with RNA polymerase II elongation factor (ELL; MIM 600284) (Slagsvold et al., 2005 [PubMed 15755741]; Kamura et al., 2001 [PubMed 11278625]).

VPS25 Blocking Peptide(C-term) - References

Bailey, S.D., et al. Diabetes Care 33(10):2250-2253(2010)
Talmud, P.J., et al. Am. J. Hum. Genet. 85(5):628-642(2009)
Im, Y.J., et al. Dev. Cell 17(2):234-243(2009)
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Bowers, K., et al. J. Biol. Chem. 281(8):5094-5105(2006)