
Product Data Sheet

Product Name: VPS25 Human
 Cat. No.: GP24995
 Batch No.: 1

Product Data

Purity	>98%	Source	E.coli.
Physical Appearance	solid	Shipping Condition	Shipped with Ice Packs.
Synonyms	Vacuolar protein sorting 25 homolog (<i>S. cerevisiae</i>); vacuolar protein-sorting-associated protein 25; ELL-associated protein of 20 kDa; ESCRT-II complex subunit VPS25; Dermal papilla-derived protein 9; DERP9; EAP20; FAP20; MGC10540.		
Amino Acid Sequence	MGSSHHHHHH SSGLVPRGSH MGSHMAMSFE WPWQYRFPPF FTLQPNVDTR QKQLAAWCSL VLSFCRLHKQ SSMTVMEAQE SPLFNNVKLQ RKLVPESIQI VLEELRKKGN LEWLDKSKSS FLIMWRRPEE WGKLIYQWVS RSGQNNSVFT LYELTNGEDT EDEEFHGLDE ATLLRALQAL QQEHKAEIIT VSDGRGVKFF		
Formulation	The VPS25 solution (0.5mg/ml) contains 20mM Tris-HCl buffer (pH 8.0), 100mM NaCl, and 20% glycerol.		

Introduction

VPS25 contains the ESCRT-II complex (endosomal sorting complex required for transport II), that is needed for sorting of endosomal cargo proteins into MVBs and multivesicular body (MVB) formation. The MVB pathway facilitates transport of transmembrane proteins into the lumen of the lysosome for degradation. The ESCRT-II complex takes part in the recruitment of the ESCRT-III complex which is involved in transcription regulation, probably through its collaboration with ELL.

Stability

Store at 4°C if entire vial will be used within 2-4 weeks. Store, frozen at -20°C for longer periods of time. For long term storage it is recommended to add a carrier protein (0.1% HSA or BSA). Avoid multiple freeze-thaw cycles.

Background

VPS25 Human Recombinant produced in *E. coli* is a single polypeptide chain containing

Caution: Product has not been fully validated for medical applications. For research use only.

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200 amino acids (1-176) and having a molecular mass of 23.3kDa. VPS25 is fused to a 24 amino acid His-tag at N-terminus & purified by proprietary chromatographic techniques.

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