
Product Data Sheet

Product Name: VPS28 Human
 Cat. No.: GP24997
 Batch No.: 1

Product Data

Purity	>98%	Source	Escherichia Coli.
Physical Appearance	solid	Shipping Condition	Shipped with Ice Packs.
Synonyms	Vacuolar protein sorting-associated protein 28 homolog; ESCRT-I complex subunit VPS28; H-Vps28; VPS28; MGC60323.		
Amino Acid Sequence	MFHGIPATPG IGAPGNKPEL YEEVKLYKNA REREKYDNMA ELFAVVKTMQ ALEKAYIKDC VSPSEYTAAC SRLLVQYKAA FRQVQGSEIS SIDEFCRKFR LDCPLAMERI KEDRPITIKD DKGNLNRCIA DVVSLFITVM DKLRLEIRAM DEIQPDREL METMHRMSHL PPDFEGRQTV SQWLQTLSGM SASDELDDSQ VRQMLFDLES AYNAFNRFLH A.		
Formulation	The VPS28 protein solution contains 20mM Tris-HCl buffer (pH 7.5), 1mM DTT and 10% Glycerol.		

Introduction

VPS28 is a subunit of the ESCRT-I complex (endosomal complexes required for transport) involved in the sorting of ubiquitinated proteins. VPS28 is involved in endosomal sorting of cell surface receptors using a multivesicular body/late endosome pathway. VPS28 binding with the TSG101 may have significant roles in budding of Retroviruses, such as HIV-1 and Ebola virus. VPS28 interacts with TSG101, VPS37B, VPS37C, FAM125A and FAM125B, and also with VPS36, this interaction mediates the association with the ESCRT-II complex. Furthermore it interacts with SNF8 and VPS25 and CEP55.

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

VPS28 Human Recombinant produced in E.Coli is a single, non-glycosylated, polypeptide

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

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chain containing 221 amino acids (1-221 a.a.) and having a molecular mass of 25.4kDa. The VPS28 is purified by proprietary chromatographic techniques.

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