Product Data Sheet

Product Name:	VPS29 Mouse
Cat. No.:	GP24999
Batch No.:	1

Product Data

Purity	>98%	Source	E.coli.
Phycical Appearance	solid	Shipping Condition	Shipped with Ice Packs.
Synonyms	Vacuolar protein sorting 29 yeast homolog (S. cerevisiae); DC15; PEP11; DC7; retromer protein; x 007 protein; EC 3.1.3.3.		
Amino Acid Sequence	MGSSHHHHHH SSGLVPRGSH MGSHMMLVLV LGDLHIPHRC NSLPAKFKKL LVPGKIQHIL CTGNLCTKES YDYLKTLAGD VHIVRGDFDE NLNYPEQKVV TVGQFKIGLI HGHQVIPWGD MASLALLQRQ FDVDILISGH THKFEAFEHE NKFYINPGSA TGAYNALETN IIPSFVLMDI QASTVVTYVY QLIGDDVKVE RIEYKKS		
Formulation	The VPS29 solution (0.5mg/1ml) contains 20mM Tris-HCl buffer (pH 8.0), 100mM Nacl, 1mM DTT and 10% glycerol.		

Introduction

VPS29 is a member of a group of genes coding for vacuolar protein sorting (VPS) proteins which, when functionally damaged, lessens the efficient transfer of vacuolar hydrolases. VPS29 is a late Golgi transmembrane protein that operates as the sorting receptor for soluble vacuolar hydrolases, from the prevacuolar endosome back to the Golgi. Moreover, VPS29 takes part in the creation of the inner shell of the retromer coat for retrograde vesicles parting the prevacuolar compartment.

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

VPS29 Mouse Recombinant produced in E. coli is a single polypeptide chain containing 207 amino acids (1-182) and having a molecular mass of 23.2kDa.VPS29 is fused to a 25

Caution: Product has not been fully validated for medical applications. For research use only.
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amino acid His-tag at N-terminus & purified by proprietary chromatographic techniques.